

FIG. 1A

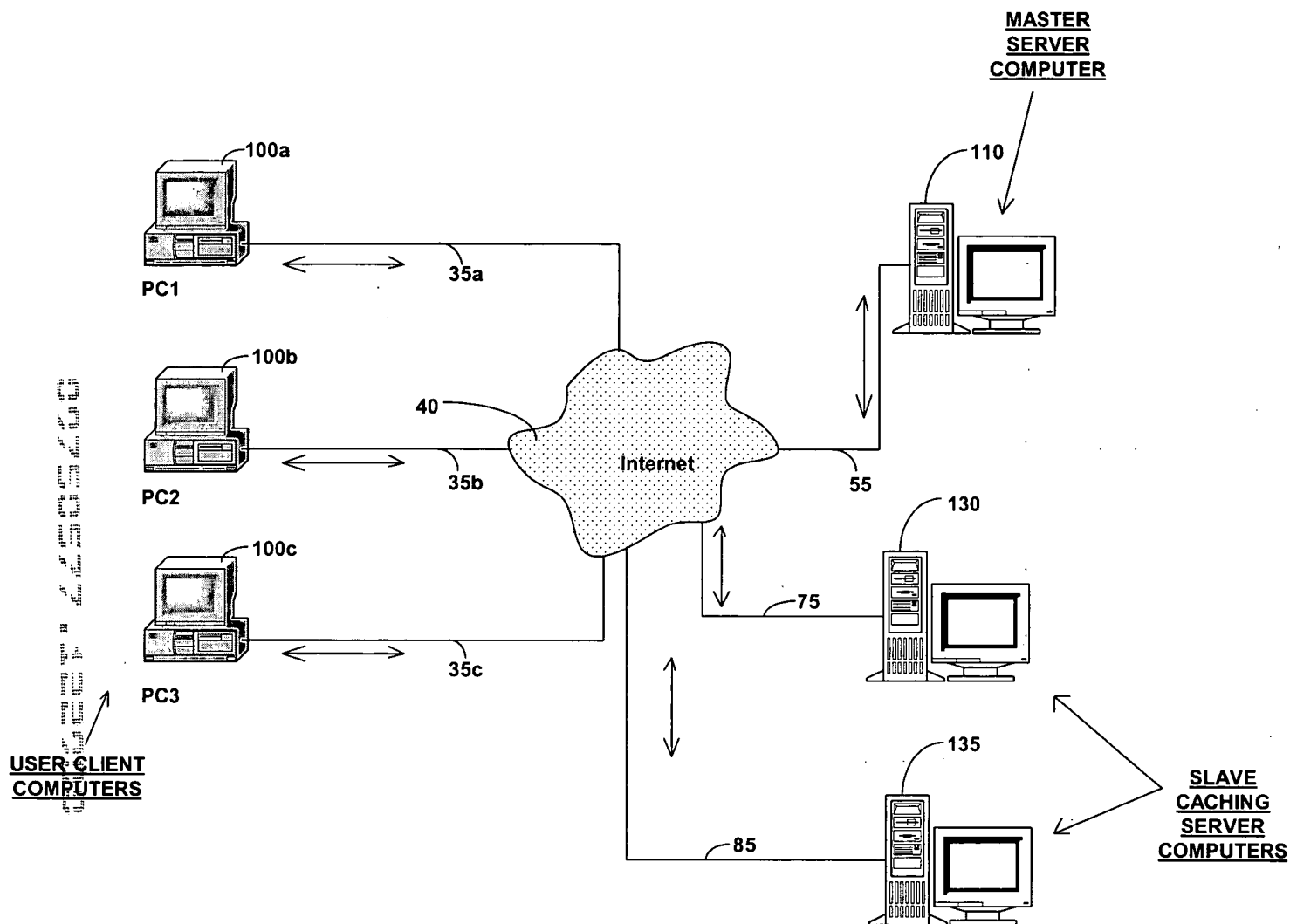


FIG. 1B

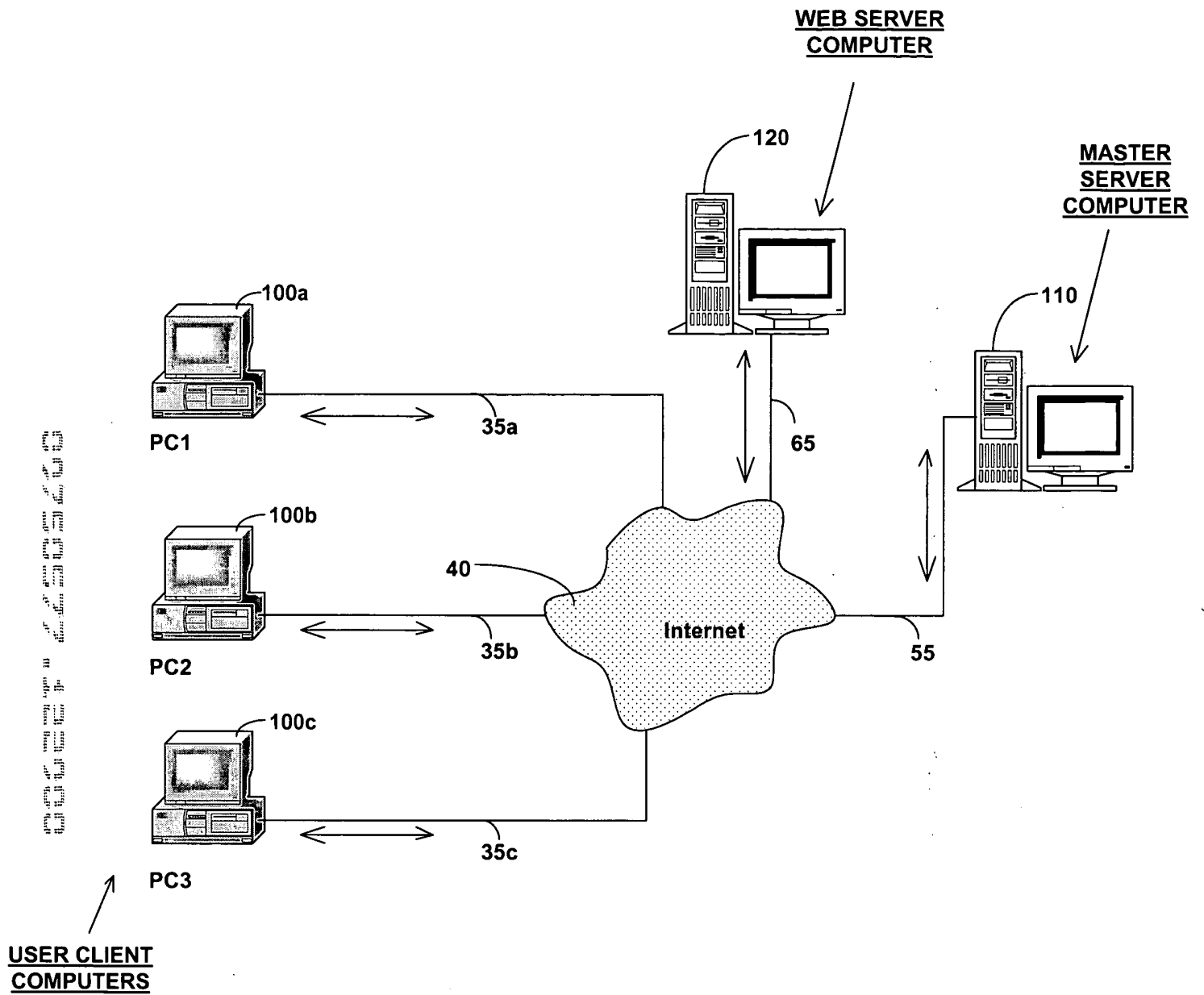


FIG. 1C

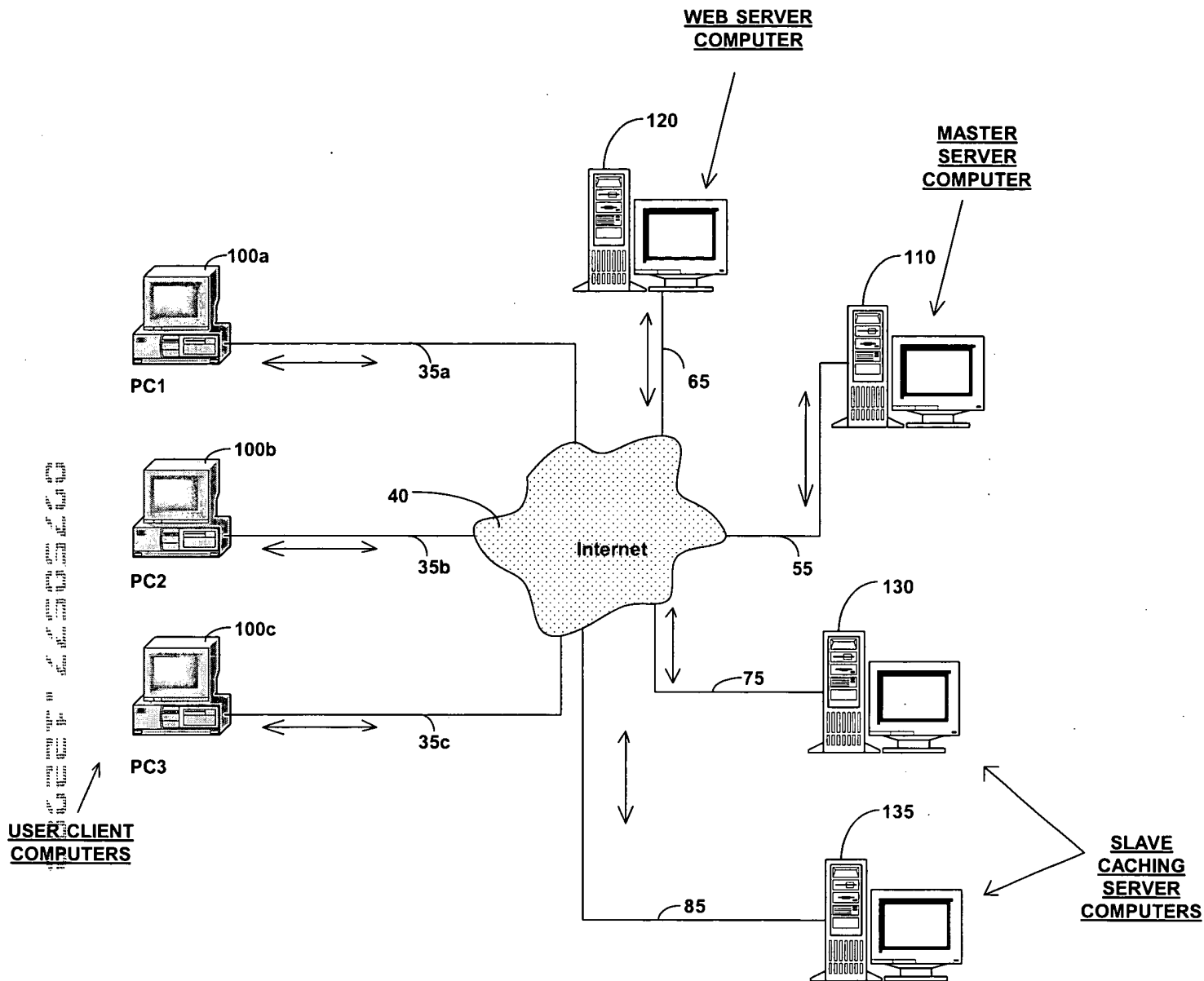


FIG. 1D

FIG. 2A(1)

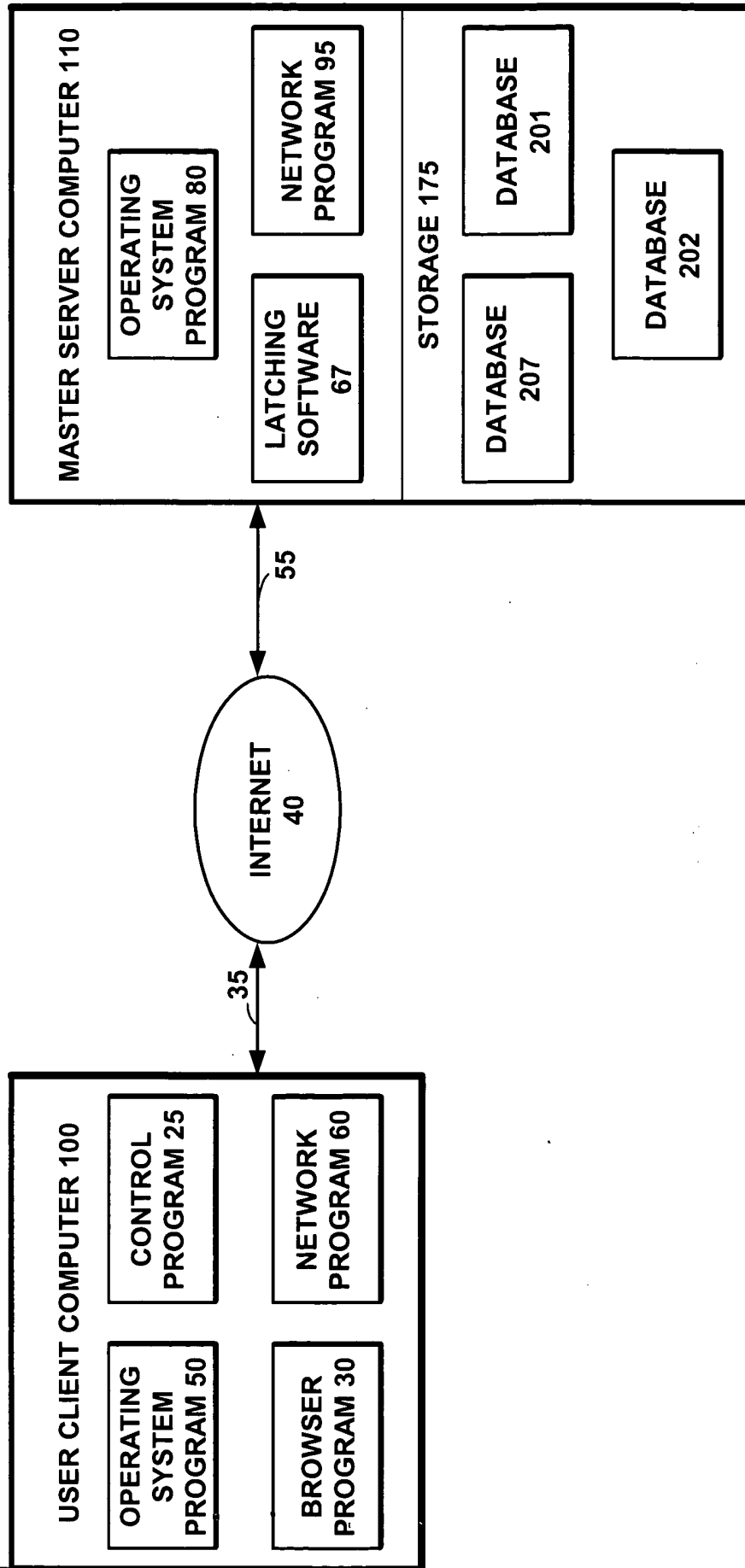


FIG. 2A(2)

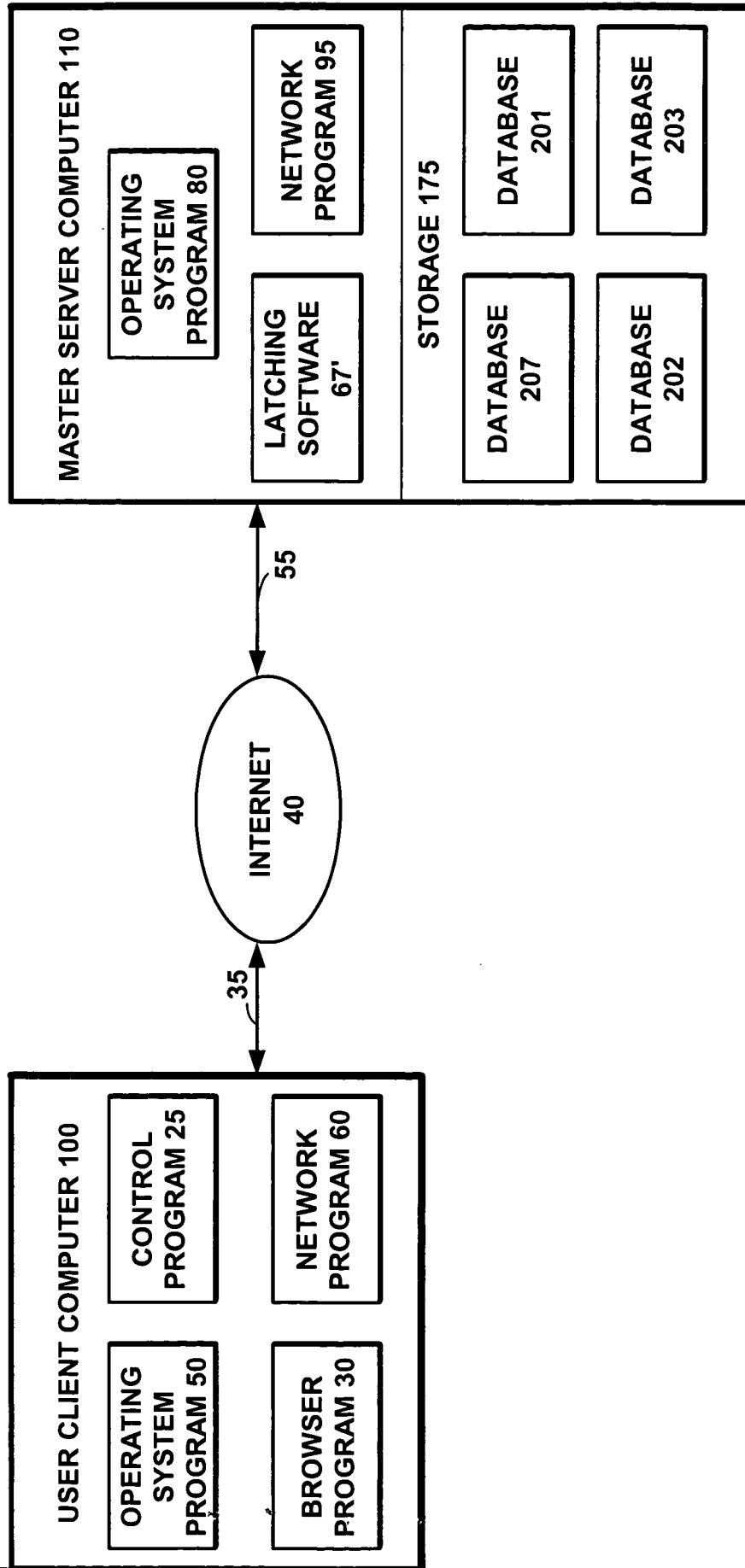
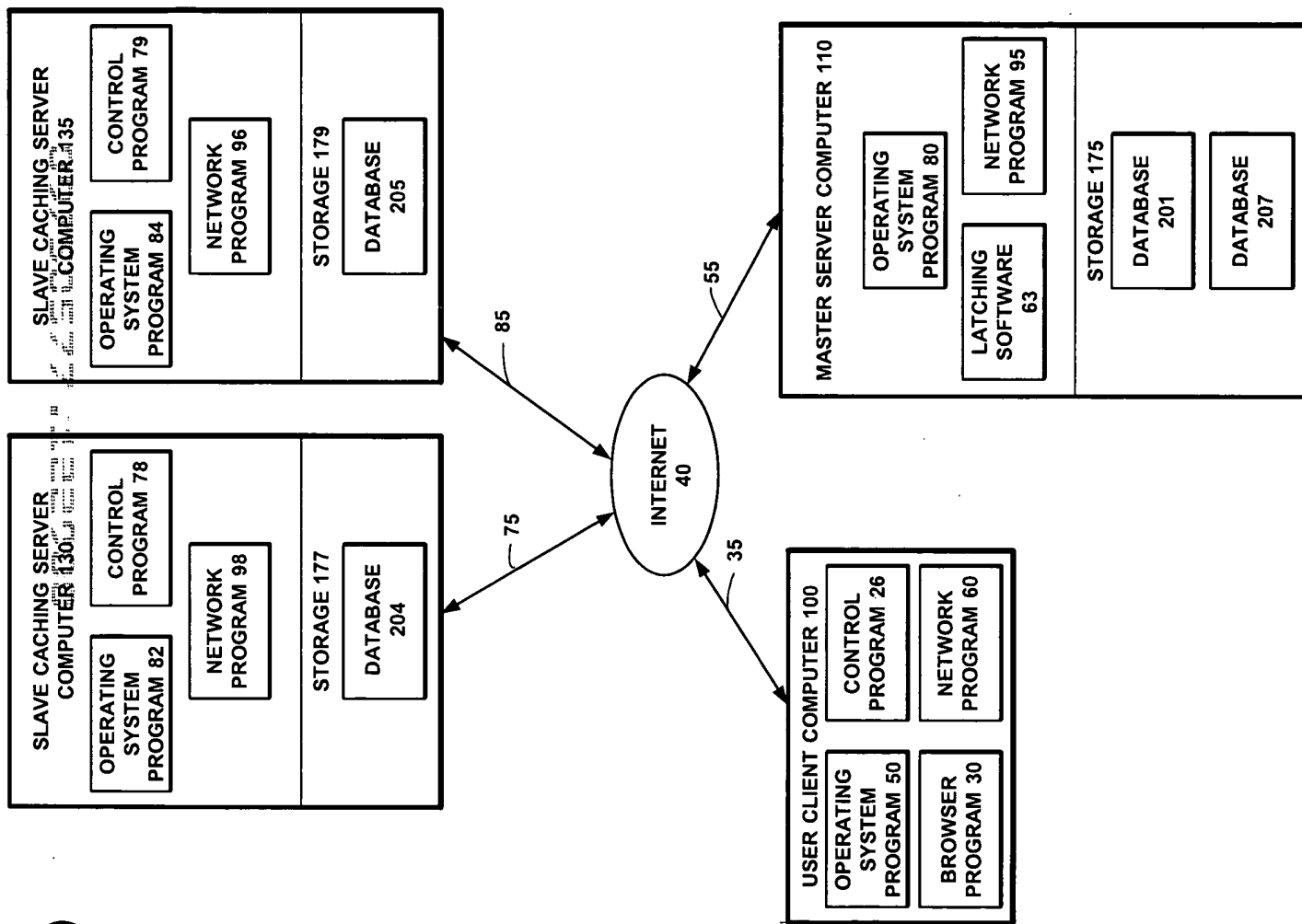


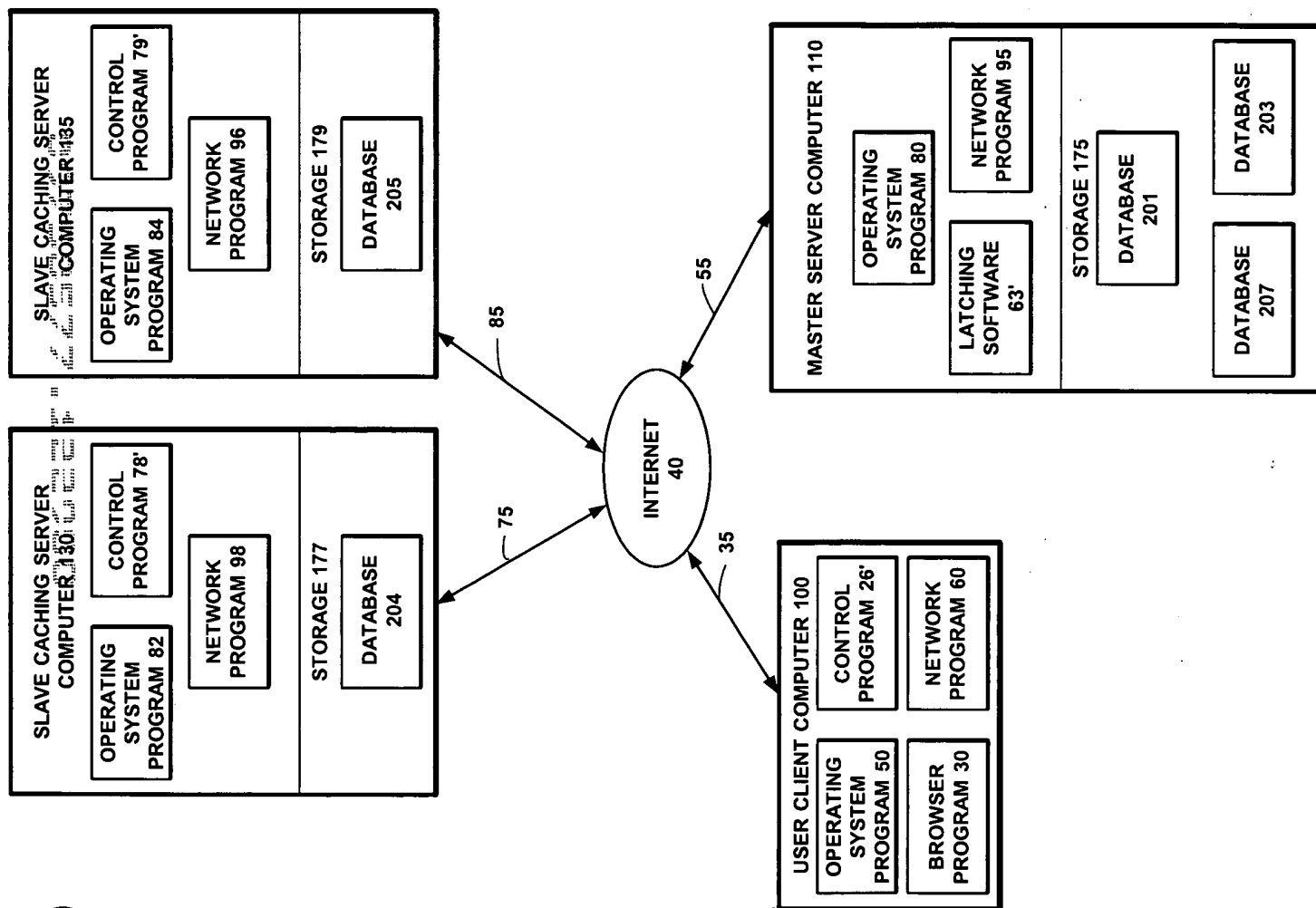
FIG. 2B(1)



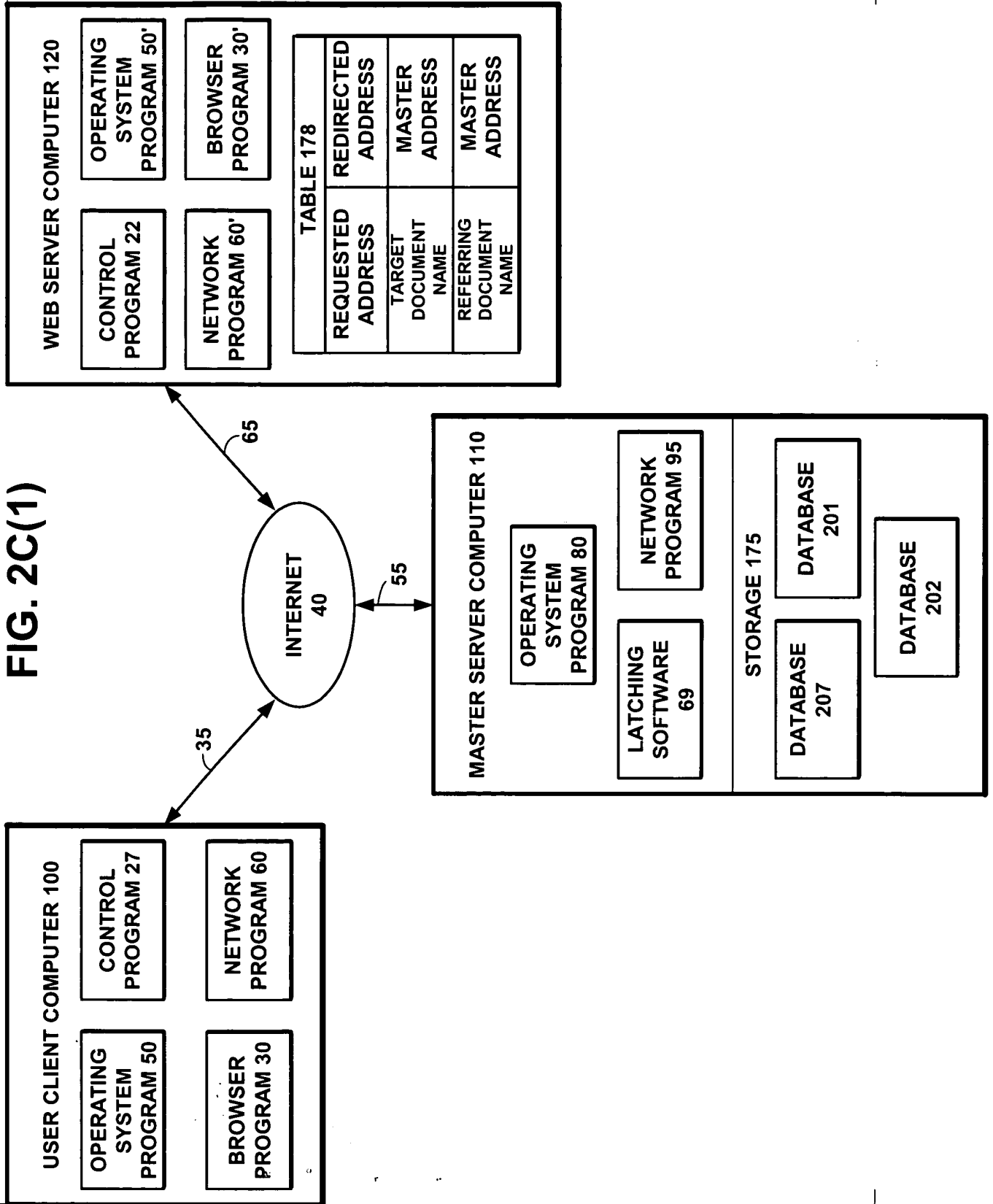
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ATTACHMENTS IN DOCUMENTS

FIG. 2B(2)

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ATTACHMENTS IN DOCUMENTS

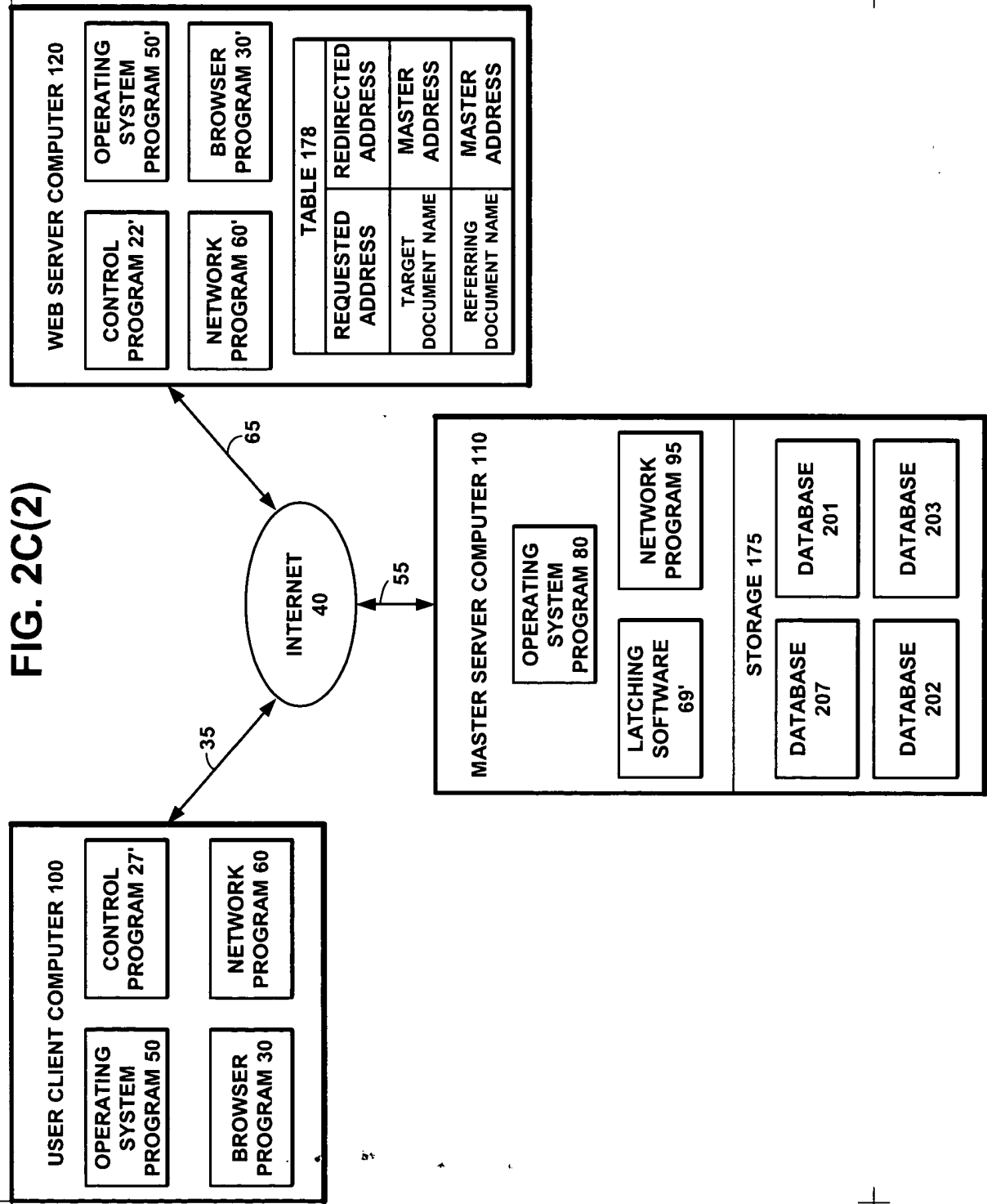


FIG. 2D(1)

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ATTACHMENTS IN DOCUMENTS

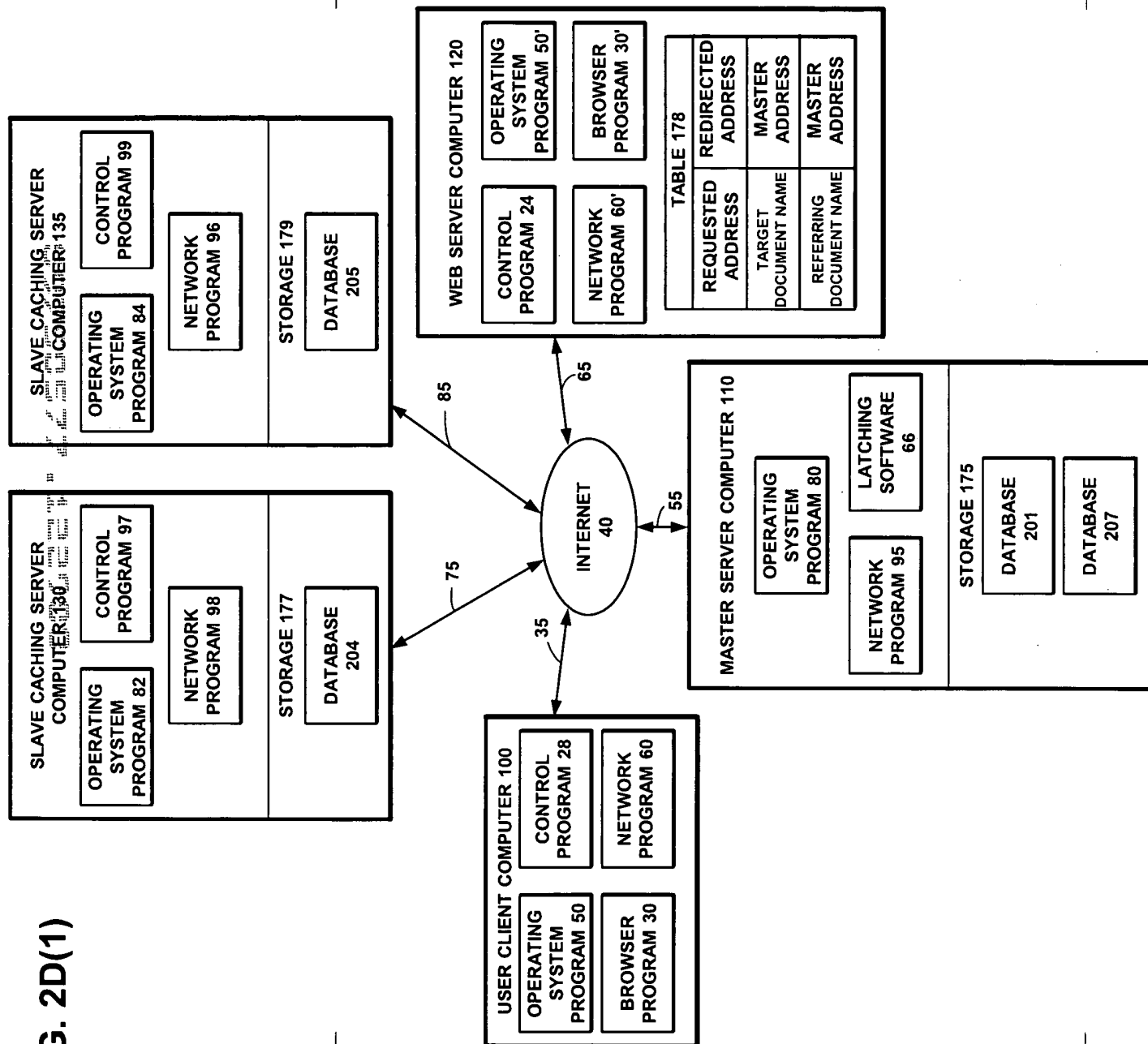


FIG. 2D(2)

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ATTACHMENTS IN DOCUMENTS

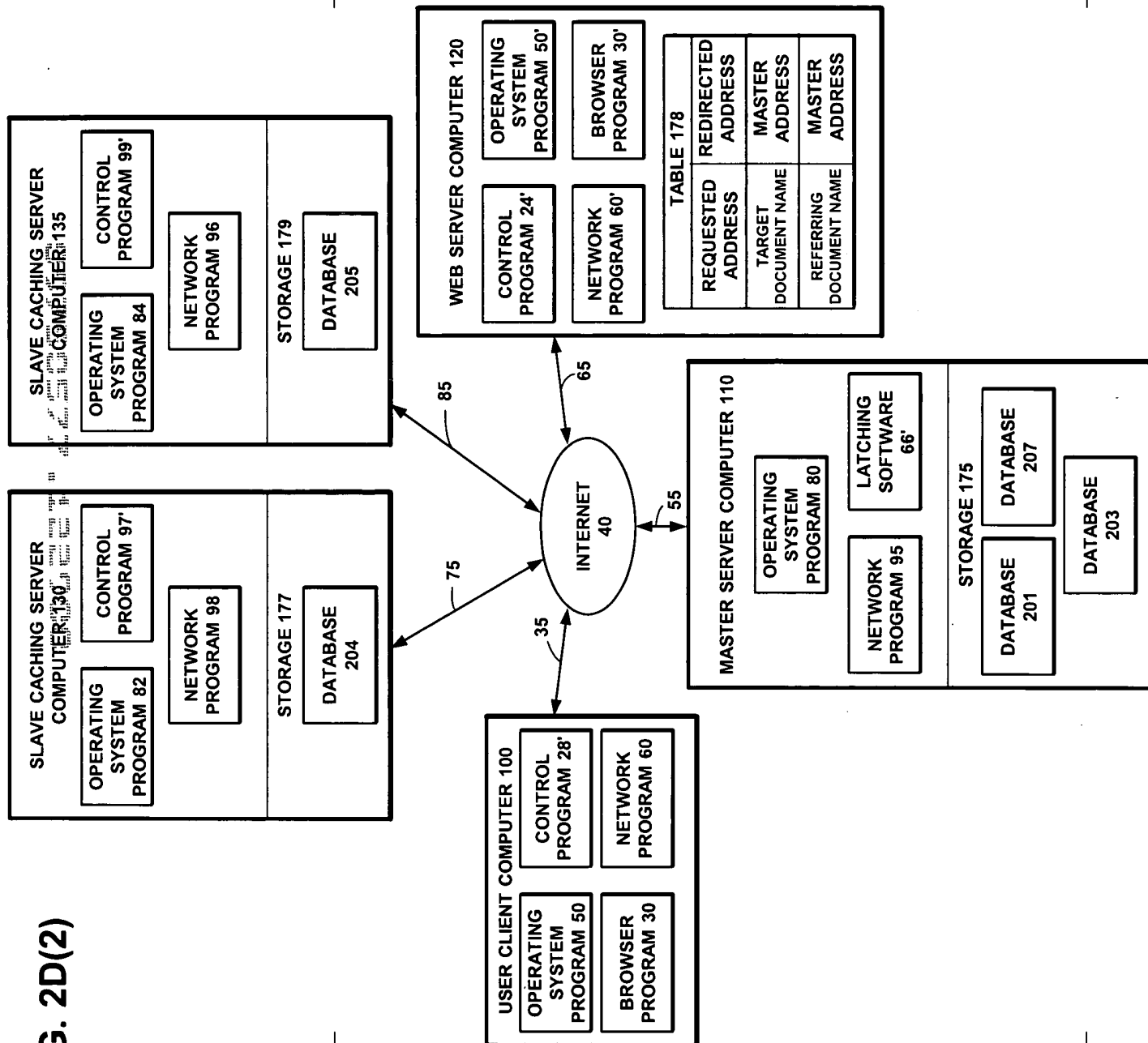


FIG. 3A(1)

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DB307/1/ REFERRING DOCUMENT DATABASE 207

TARGET DOCUMENT DATA BASE 202

OWNERS DATA BASE 201

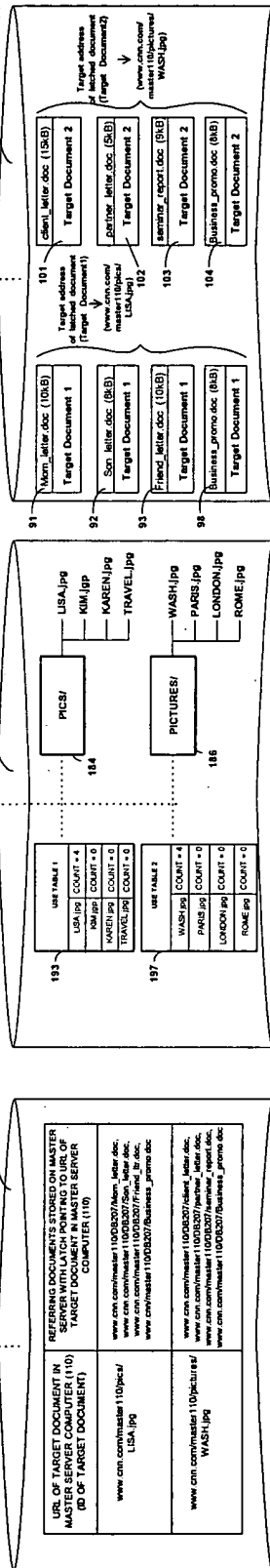
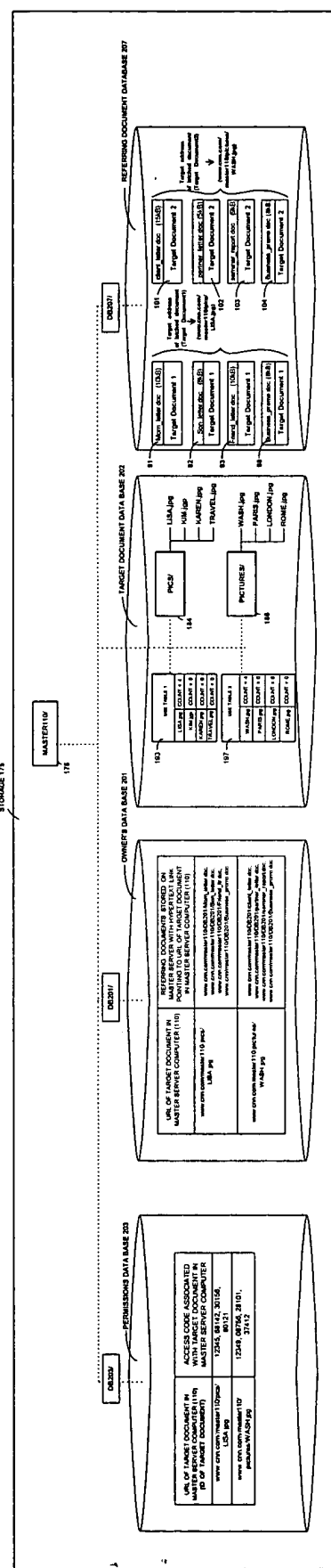


FIG. 3A(1)



STORAGE 175

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DB201/

OWNER'S DATA BASE 201

193

USE TABLE 1			
LISA.jpg	COUNT = 4		
KIM.jpg	COUNT = 0		
KAREN.jpg	COUNT = 0		
TRAVEL.jpg	COUNT = 0		

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USE TABLE 2			
WASH.jpg	COUNT = 4		
PARIS.jpg	COUNT = 0		
LONDON.jpg	COUNT = 0		
ROME.jpg	COUNT = 0		

URL OF TARGET DOCUMENT IN SLAVE CACHING SERVER COMPUTER (130 or 135) (ID OF TARGET DOCUMENT)	REFERRING DOCUMENTS STORED ON MASTER SERVER WITH HYPERTEXT LINK POINTING TO URL OF TARGET DOCUMENT IN SLAVE CACHING SERVER COMPUTER (130 or 135)
www.cnn.com/slave130/pics/LISA.jpg	www.cnn.com/master110/DB201/Mom_letter.doc; www.cnn.com/master110/DB201/Son_letter.doc; www.cnn.com/master110/DB201/Friend_ltr.doc; www.cnn.com/master110/DB201/Business_promo.doc
www.cnn.com/slave135/pictures/WASH.jpg	www.cnn.com/master110/DB201/client_letter.doc; www.cnn.com/master110/DB201/partner_letter.doc; www.cnn.com/master110/DB201/seminar_report.doc; www.cnn.com/master110/DB201/Business_promo.doc

DB207/

REFERRING DOCUMENT DATABASE 207

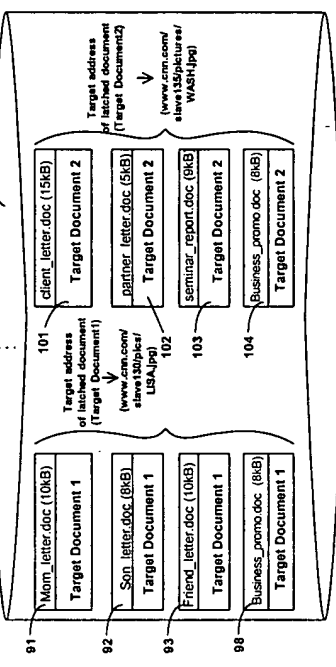


FIG. 3B(1)

FIG. 3B(2)

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DB2020

DB2021

DB2027

PERMISSIONS DATA BASE 203

OWNERS DATA BASE 201

REFERENCING DOCUMENT DATABASE 207

URL OF TARGET DOCUMENT IN SLAVE CACHING SERVER COMPUTER (130 or 135)	ACCESS CODE ASSOCIATED WITH COMPUTER (130 or 135)
www.cnn.com/story/130pic/	12345, 67890, 30156,
www.cnn.com/story/135pic/	12345, 67890, 28101,
www.cnn.com/story/135pic/	12345, 67890, 31412,

URL OF TARGET DOCUMENT IN SLAVE CACHING SERVER COMPUTER (130 or 135)	REFERENCING DOCUMENTS STORED ON MASTER SERVER WITH HYPertext LINK POINTING TO CACHING SERVER COMPUTER (130 or 135)
www.cnn.com/story/130pic/	www.cnn.com/story/130pic/
www.cnn.com/story/135pic/	www.cnn.com/story/135pic/
www.cnn.com/story/135pic/	www.cnn.com/story/135pic/

URL OF TARGET DOCUMENT IN SLAVE CACHING SERVER COMPUTER (130 or 135)	REFERENCING DOCUMENTS STORED ON MASTER SERVER WITH HYPertext LINK POINTING TO CACHING SERVER COMPUTER (130 or 135)
www.cnn.com/story/130pic/	www.cnn.com/story/130pic/
www.cnn.com/story/135pic/	www.cnn.com/story/135pic/
www.cnn.com/story/135pic/	www.cnn.com/story/135pic/

FIG. 3B(2)

FIG. 3C(1)

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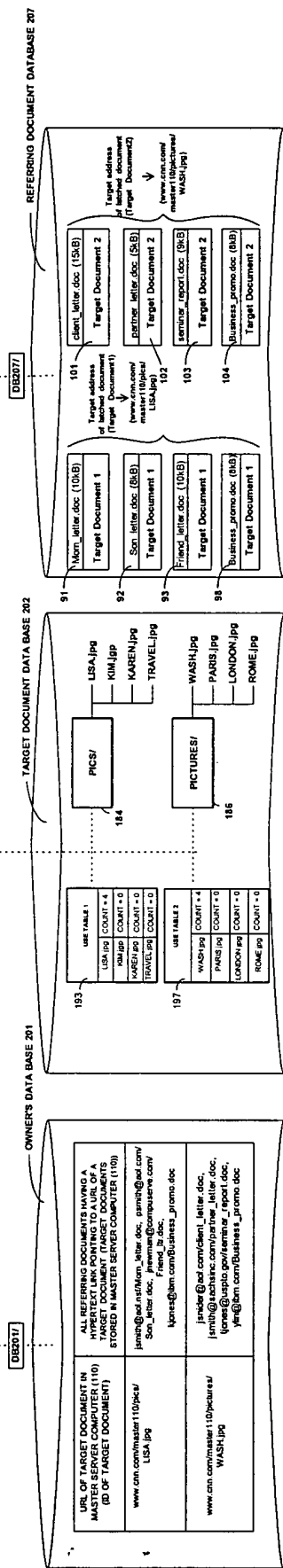
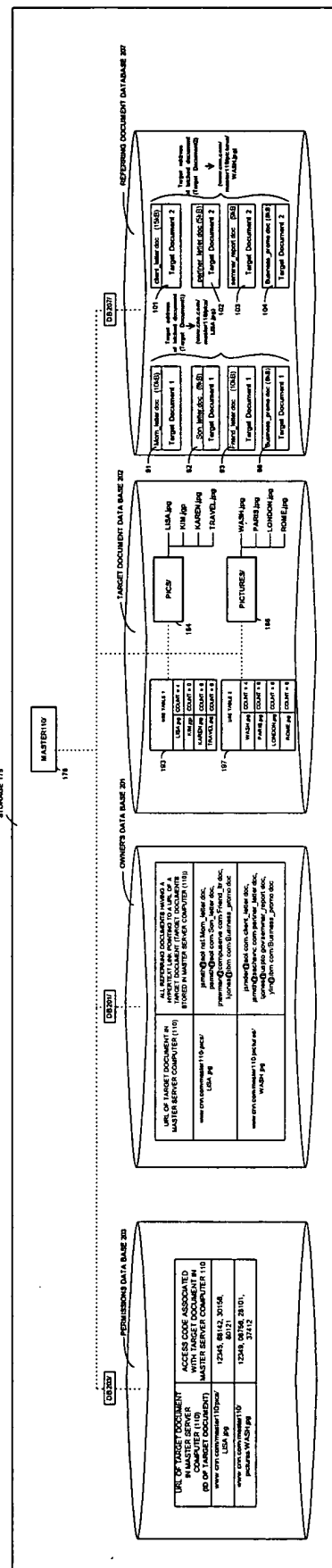


FIG. 3C(1)



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OWNER'S DATA BASE 201

REFERRING DOCUMENT DATABASE 207

USE TABLE 1			
LISA.jpg	COUNT = 4		
KUM.jpg	COUNT = 0		
KAREN.jpg	COUNT = 0		
TRAVEL.jpg	COUNT = 0		

USE TABLE 2			
WASH.jpg	COUNT = 4		
PARIS.jpg	COUNT = 0		
LONDON.jpg	COUNT = 0		
ROME.jpg	COUNT = 0		

URL OF TARGET DOCUMENT IN SLAVE CACHING SERVER COMPUTER (130 or 135) (ID OF TARGET DOCUMENT)	ALL REFERRING DOCUMENTS HAVING A HYPertext LINK TO ONE OF A TARGET DOCUMENT / TARGET DOCUMENTS STORED IN SLAVE CACHING SERVER COMPUTER (130 or 135)
www.cnn.com/slave130/pics/LISA.jpg	jsmith@aol.com/Mom_letter.doc, permith@aol.com/Son_letter.doc, jnewman@compuserve.com/Friend_1tr.doc, jones@lbn.com/Business_promo.doc
www.cnn.com/slave135/pictures/WASH.jpg	jsnyder@aol.com/client_letter.doc, jsmith@sachsinc.com/partner_letter.doc, jones@uspto.gov/seminar_report.doc, ylin@lbn.com/Business_promo.doc

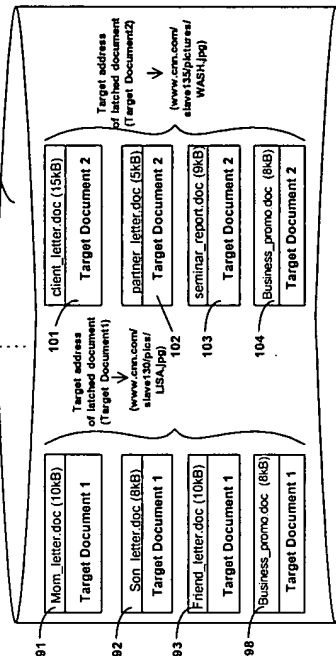


FIG. 3C(3)

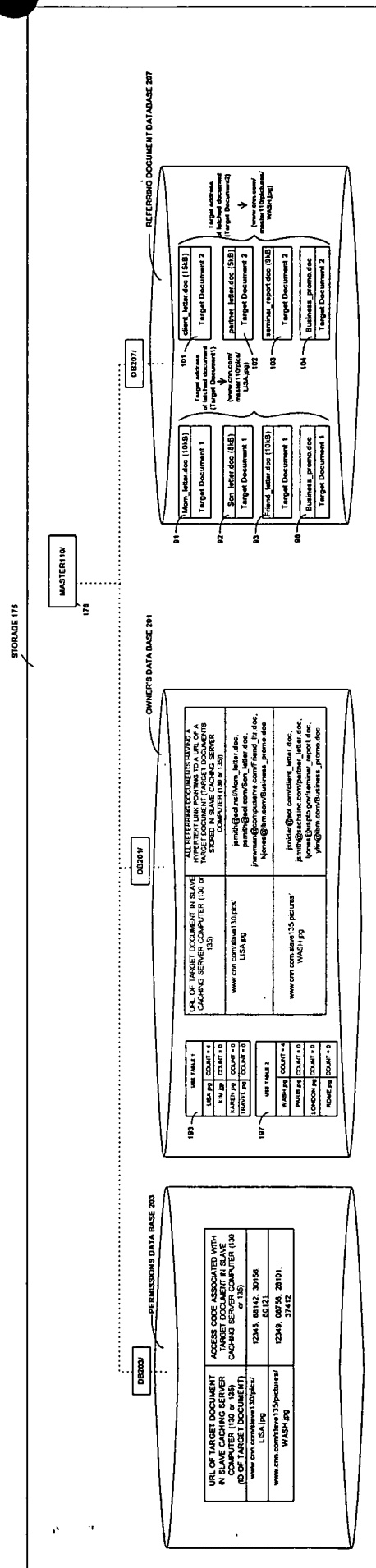


FIG. 3C(4)

FIG. 4

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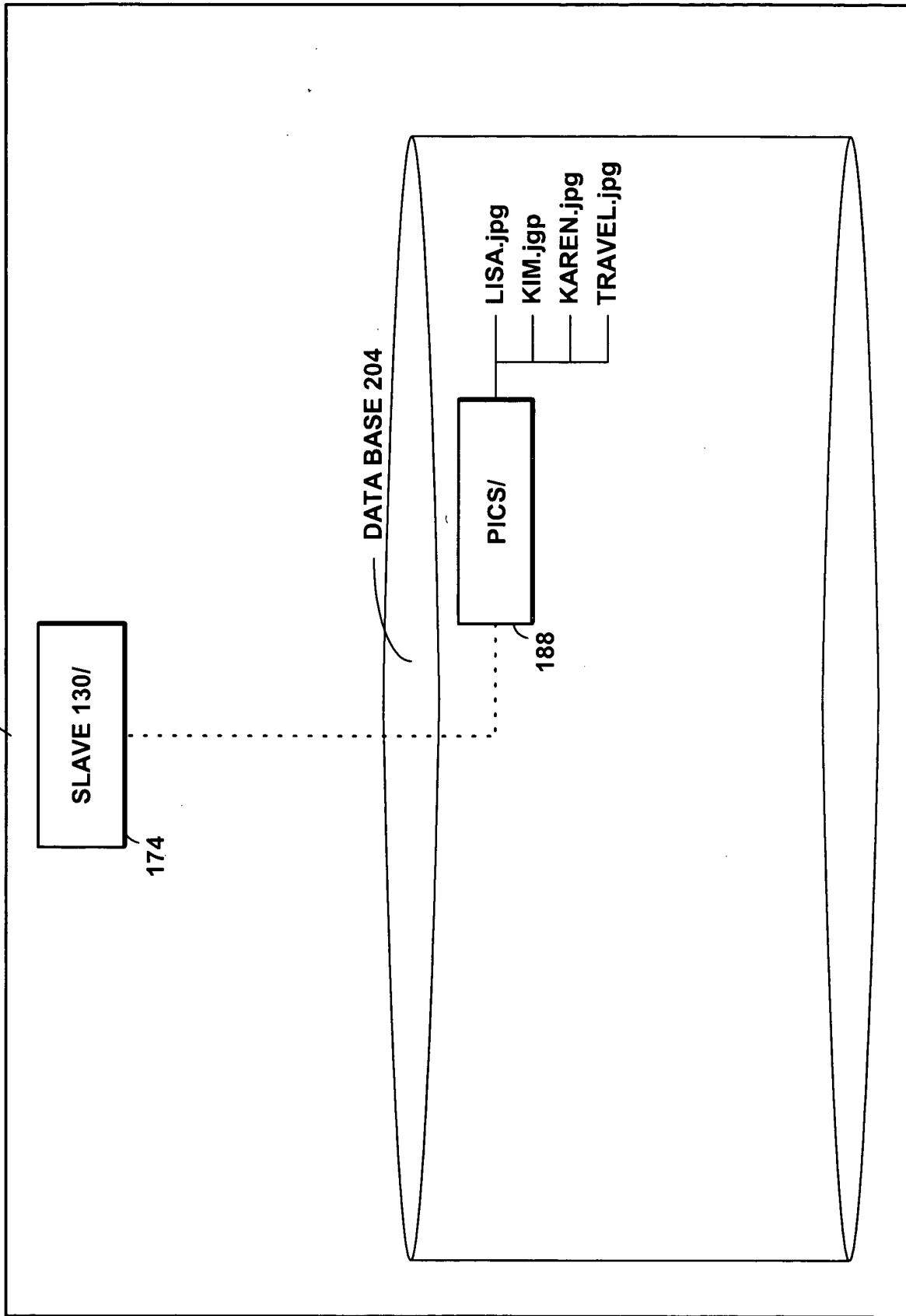


FIG. 5

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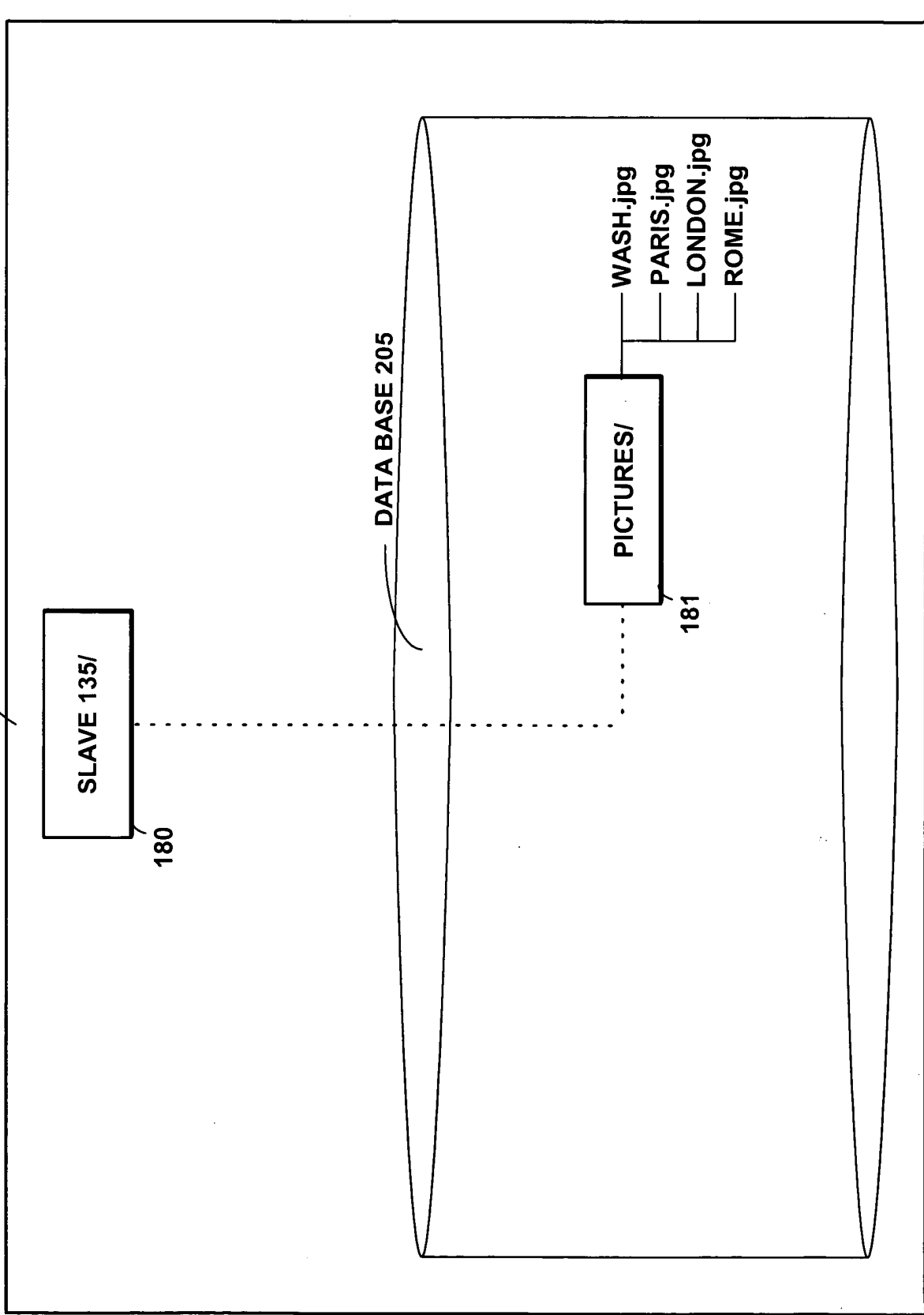


FIG. 6A(1)

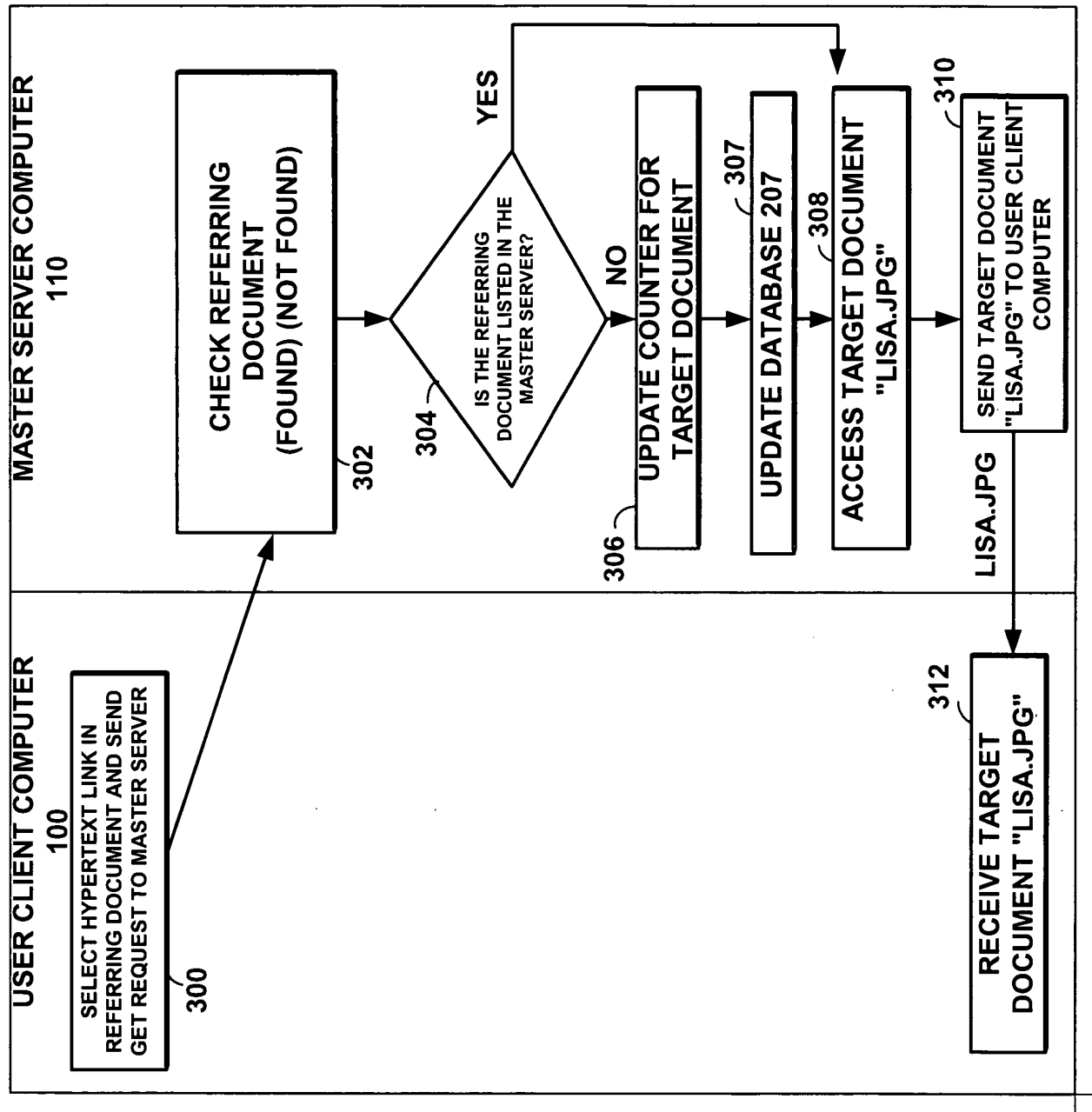


FIG. 6A(2)

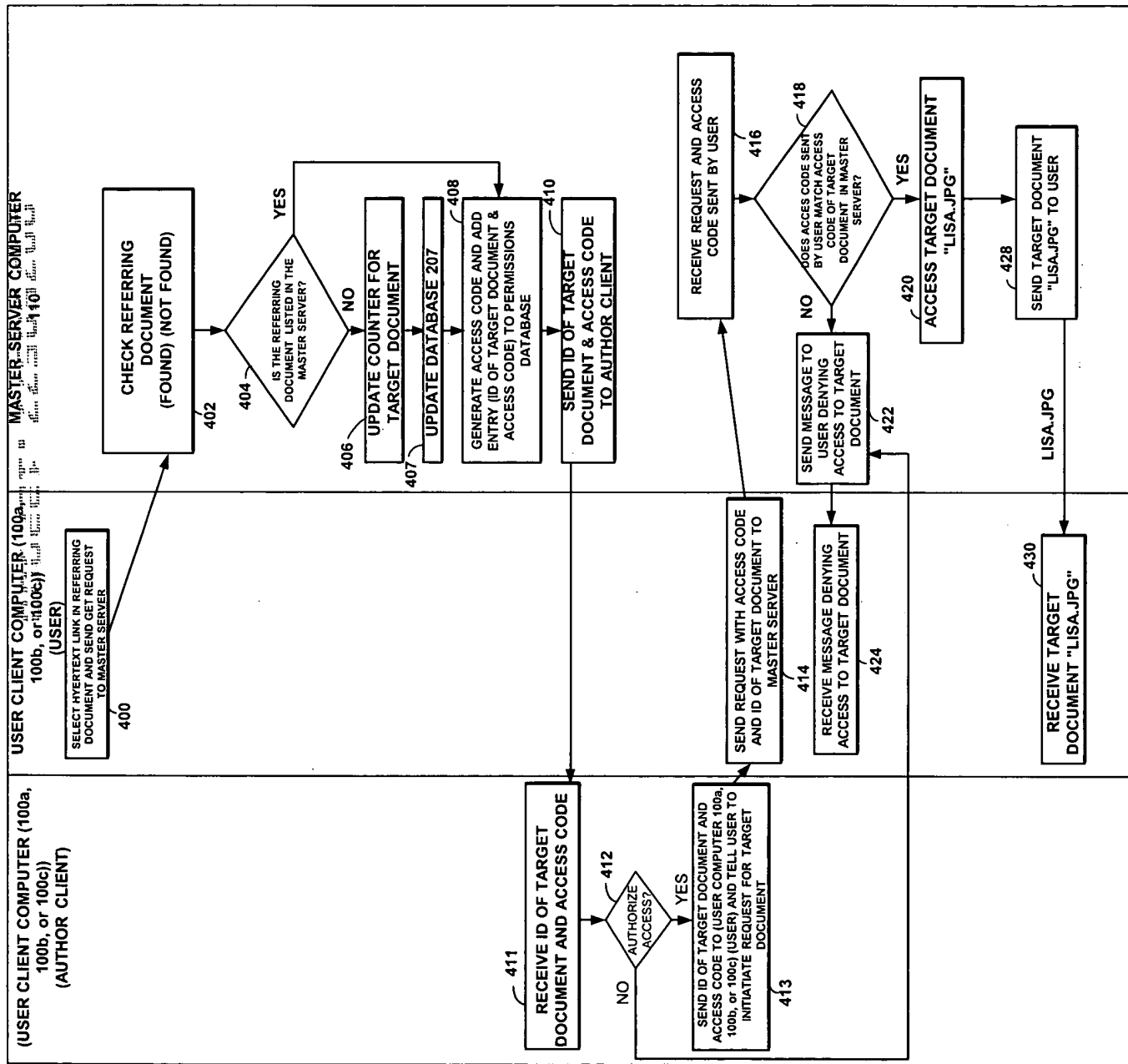


FIG. 6B(1)

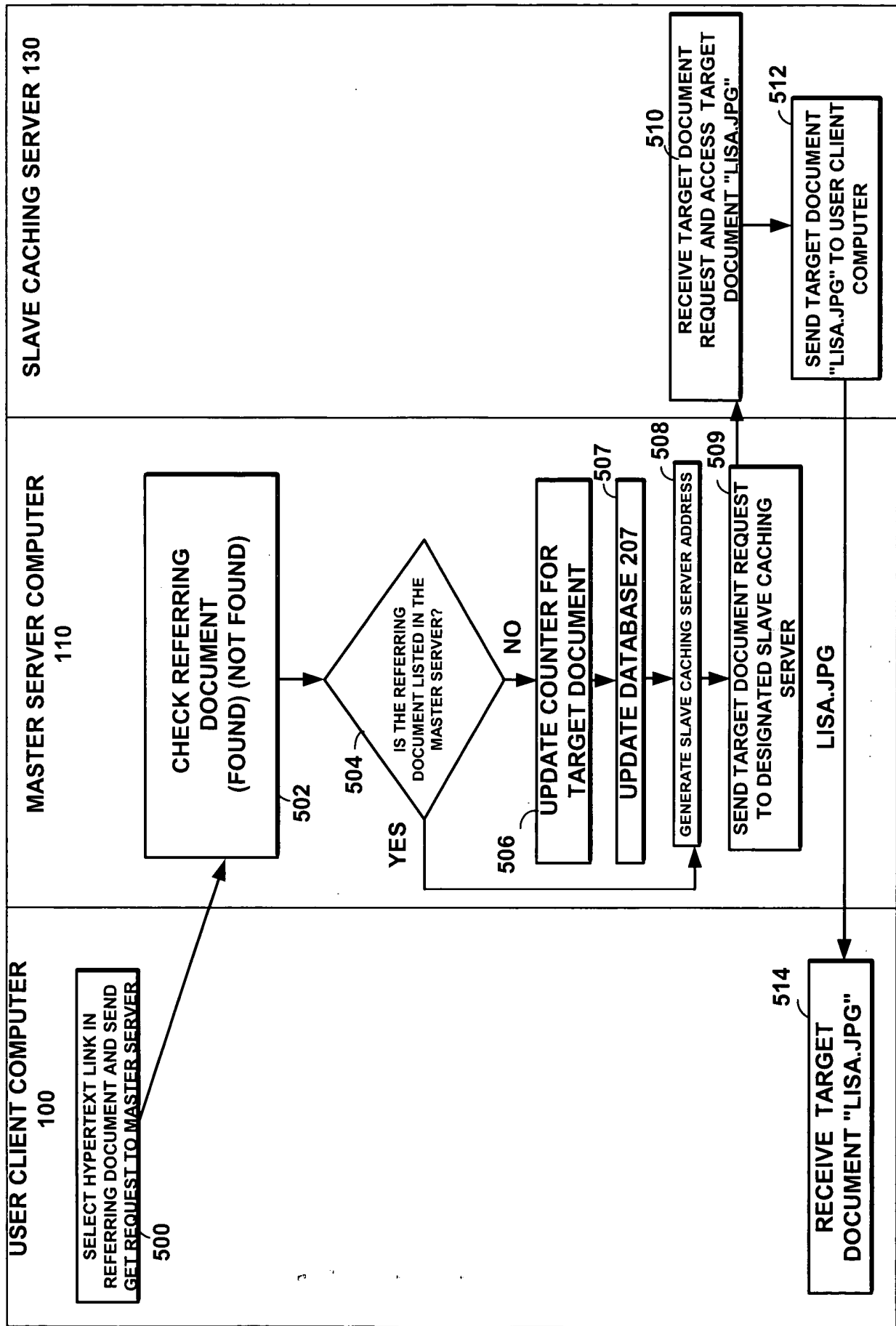


FIG. 6B(2)

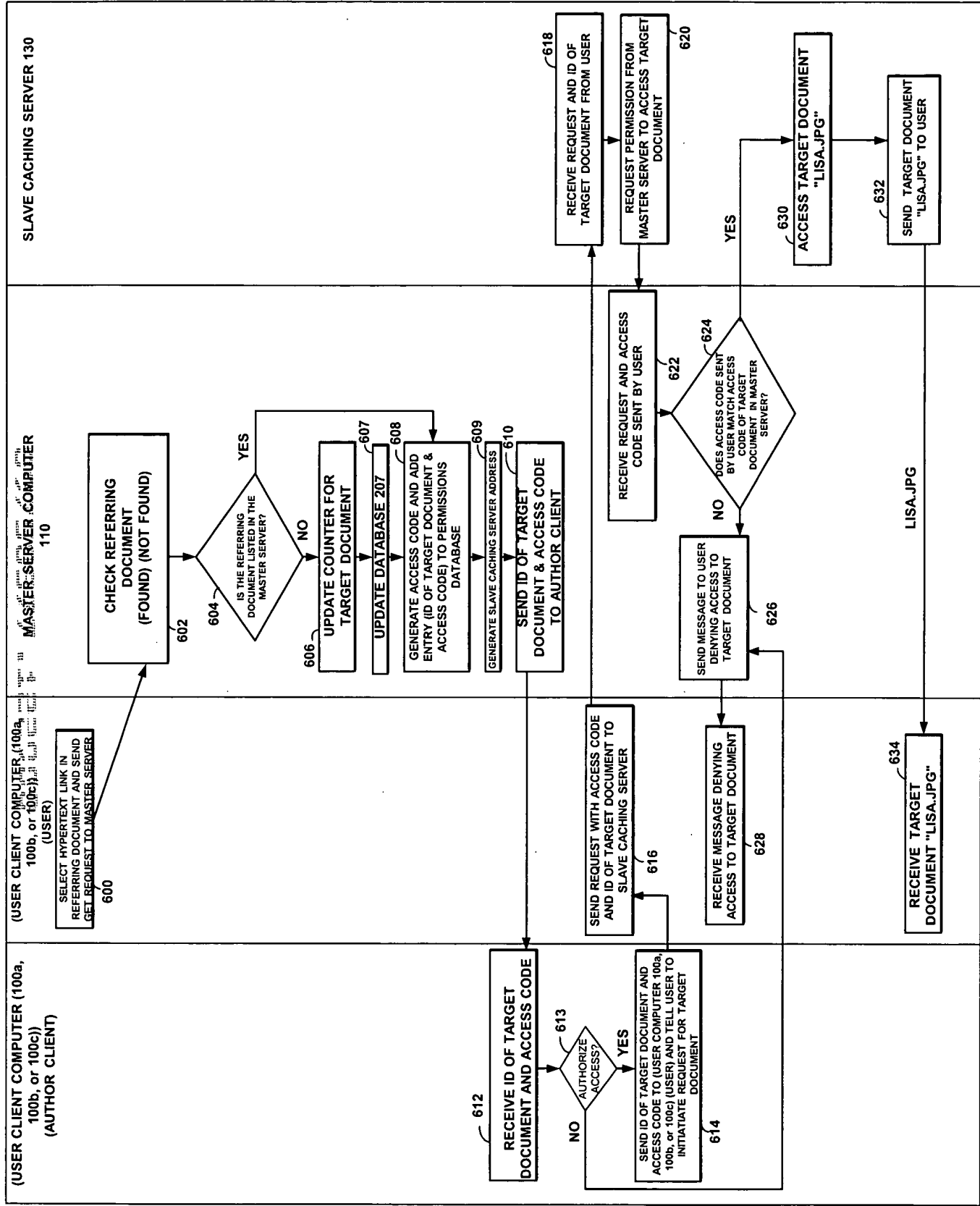


FIG. 6C(1)

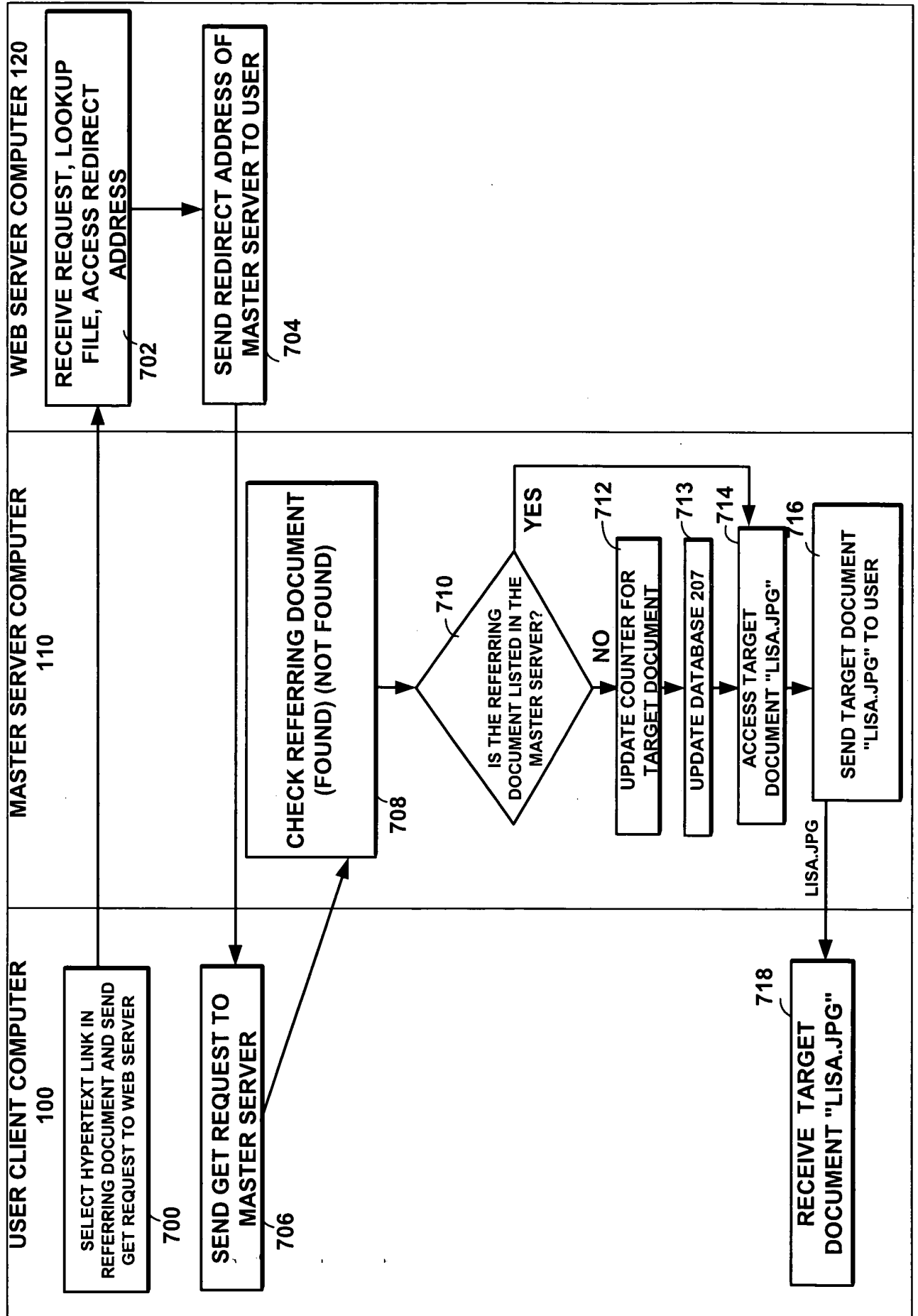
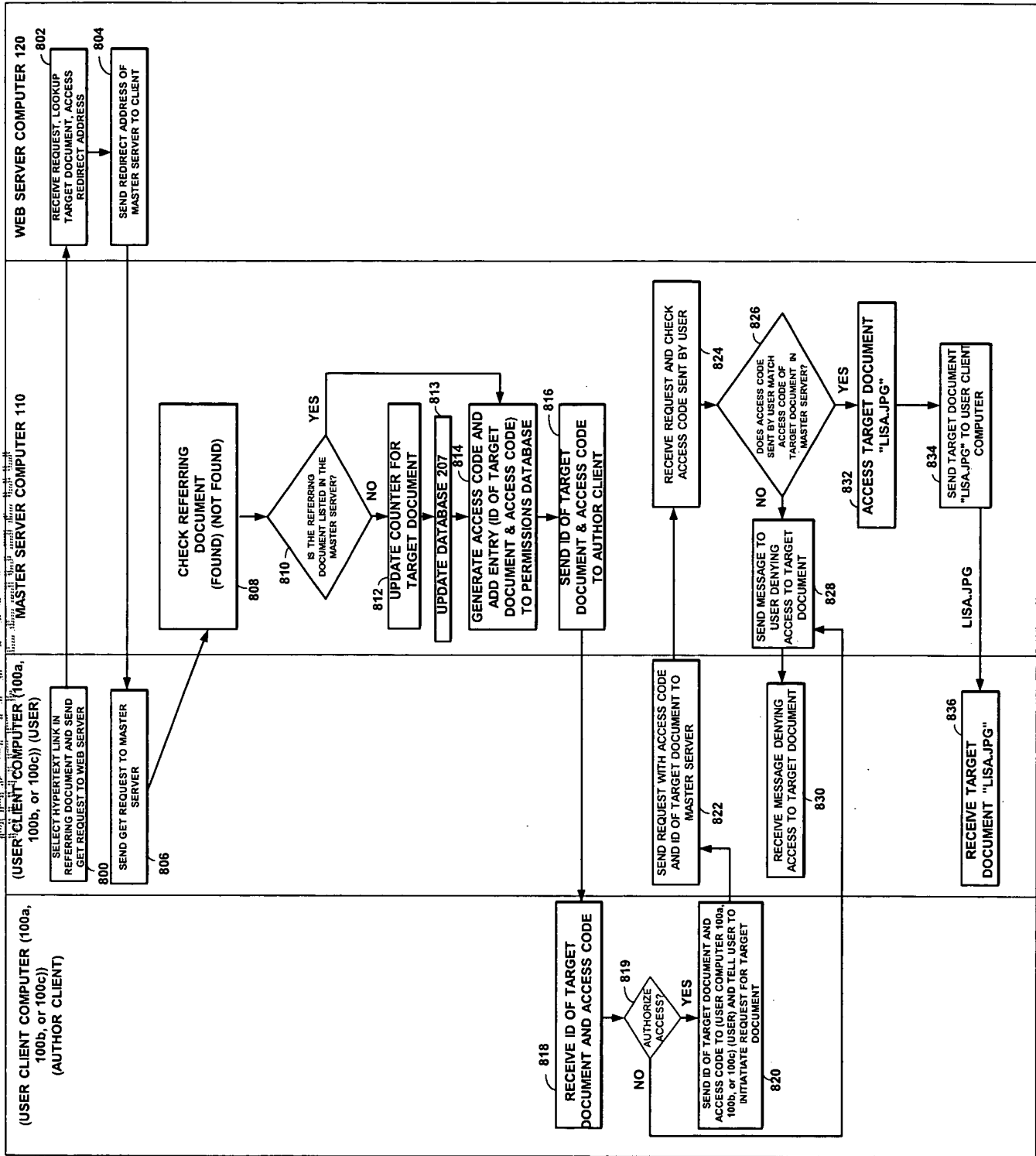
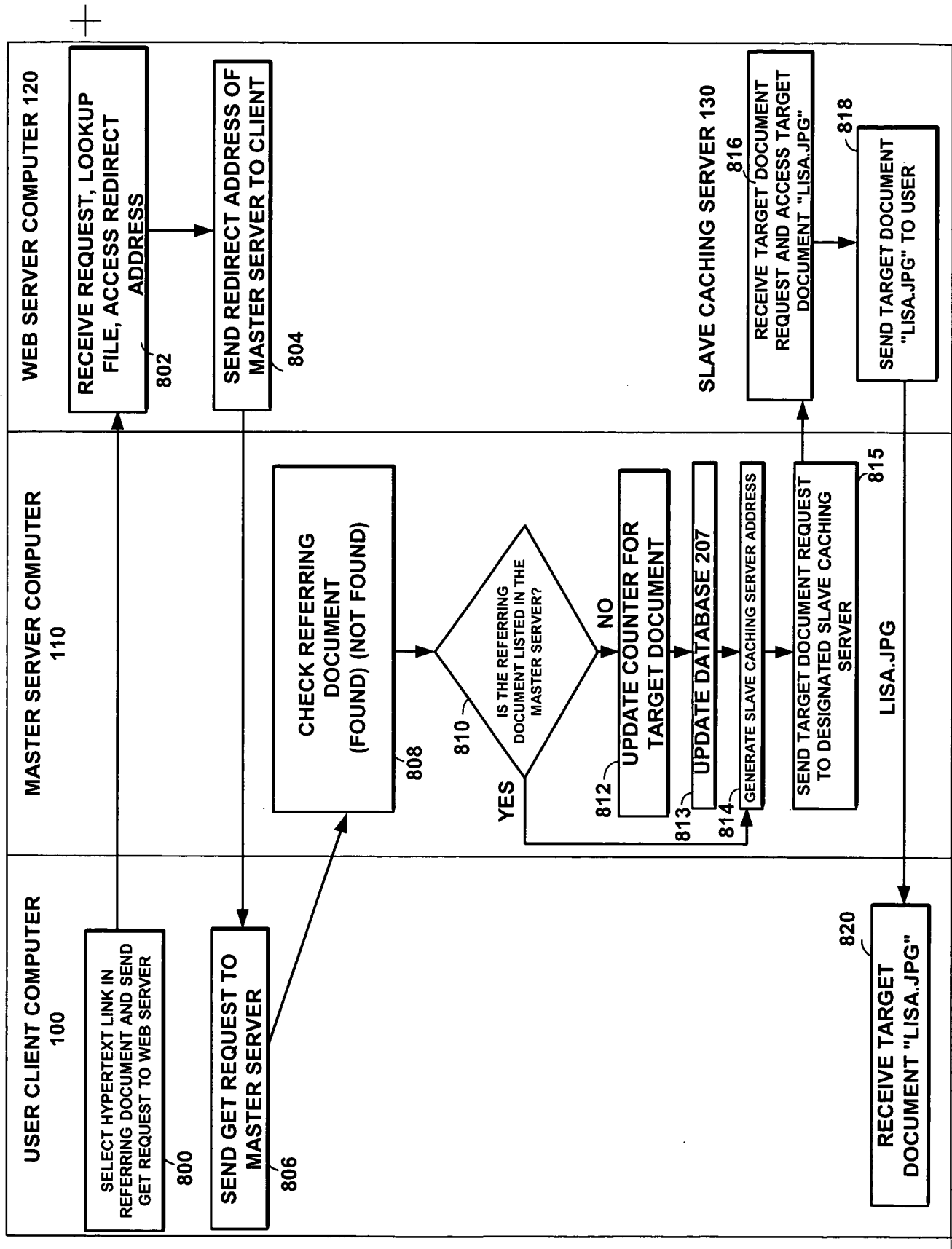


FIG. 6C(2)



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FIG. 6D(1)



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ATTACHMENTS IN DOCUMENTS

FIG. 6D(2)

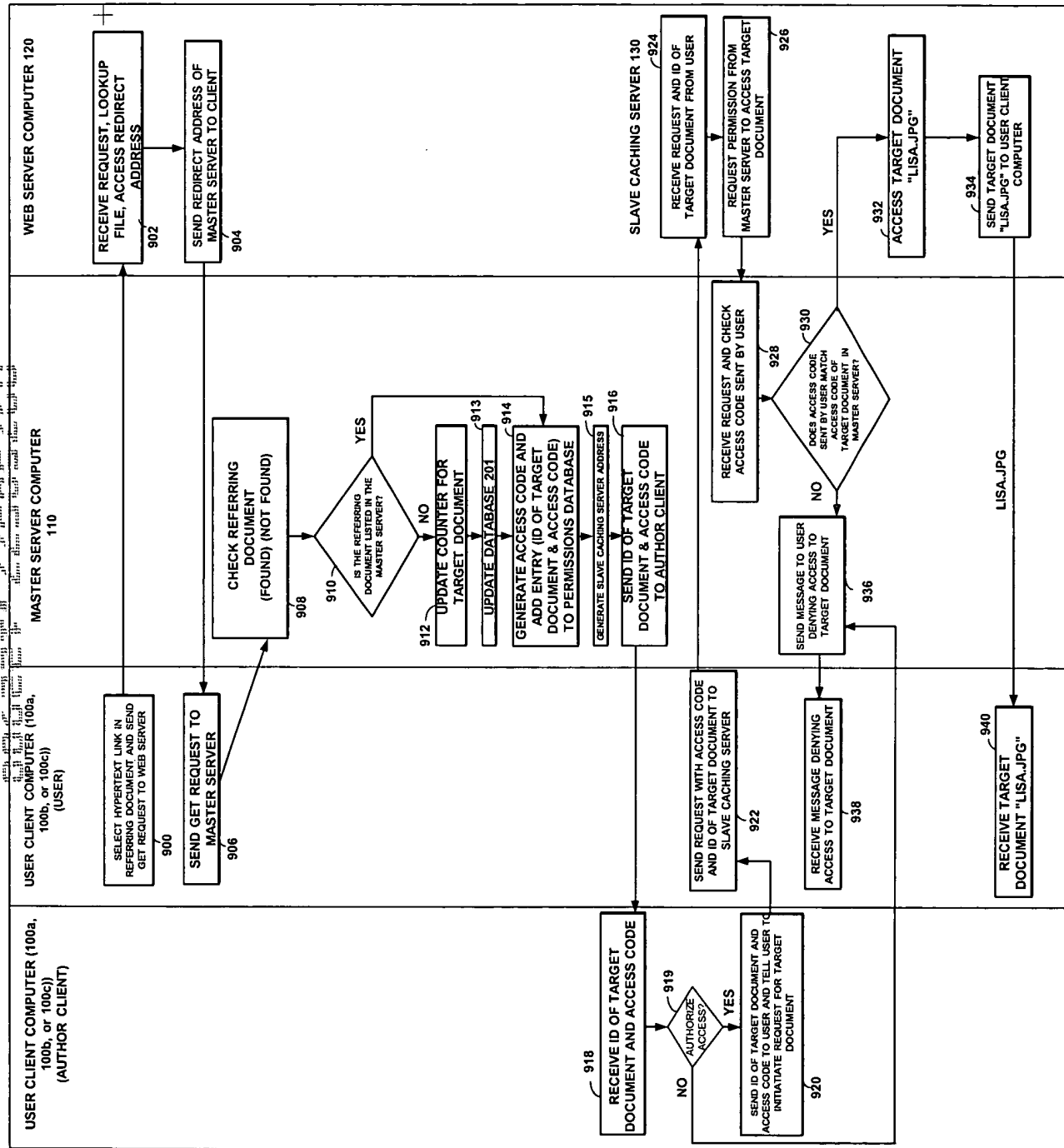


FIG. 7A(1)

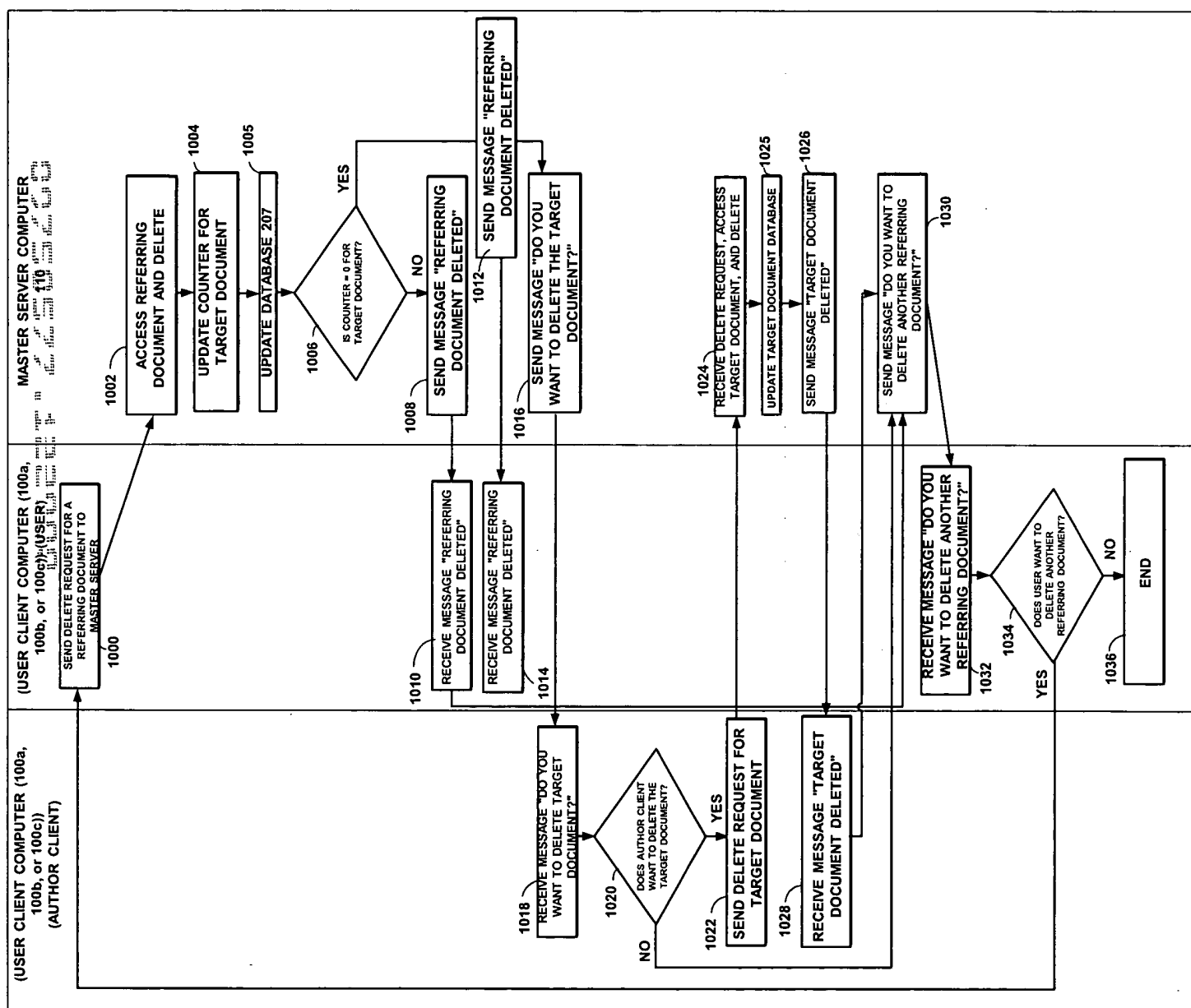
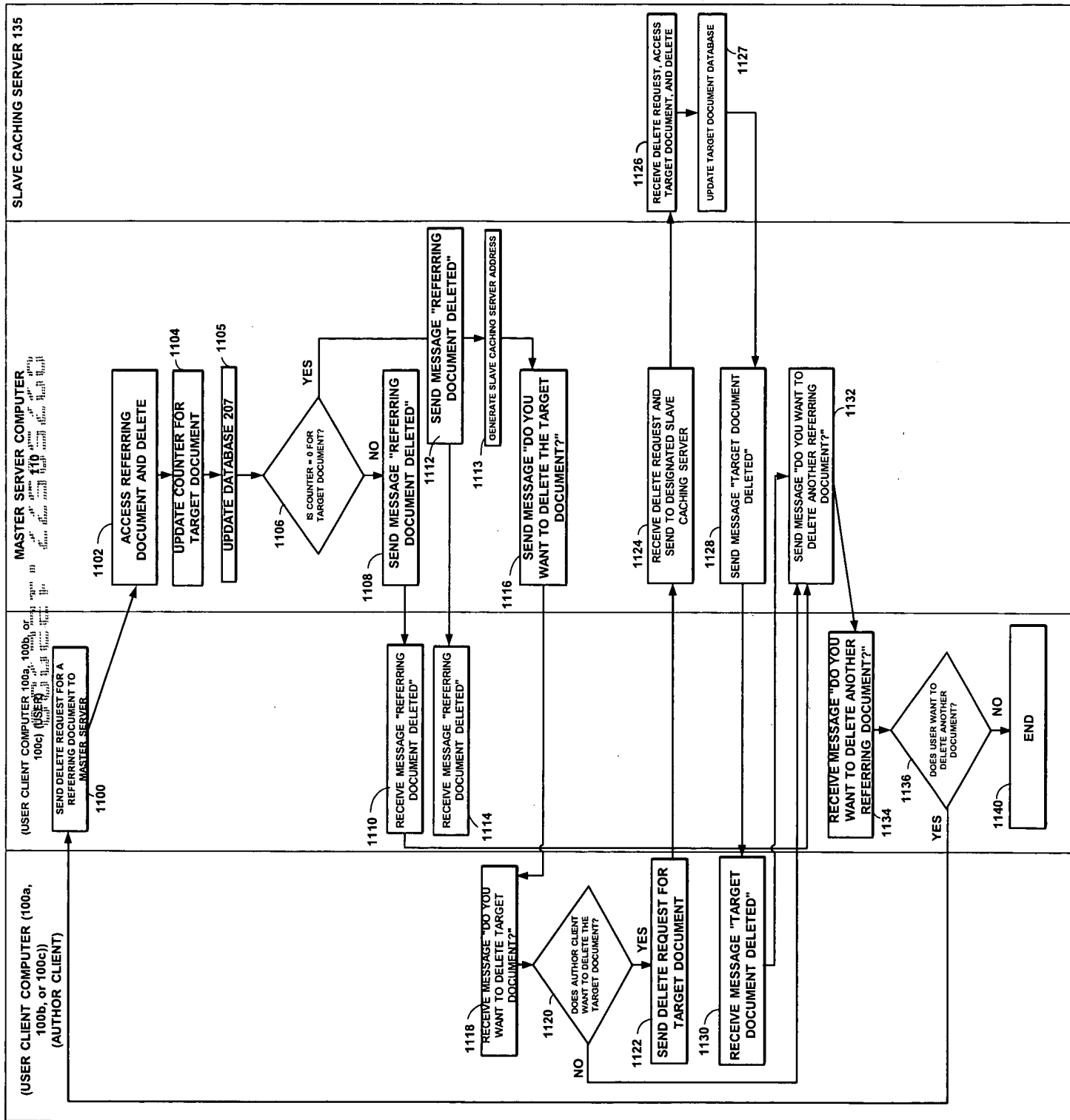
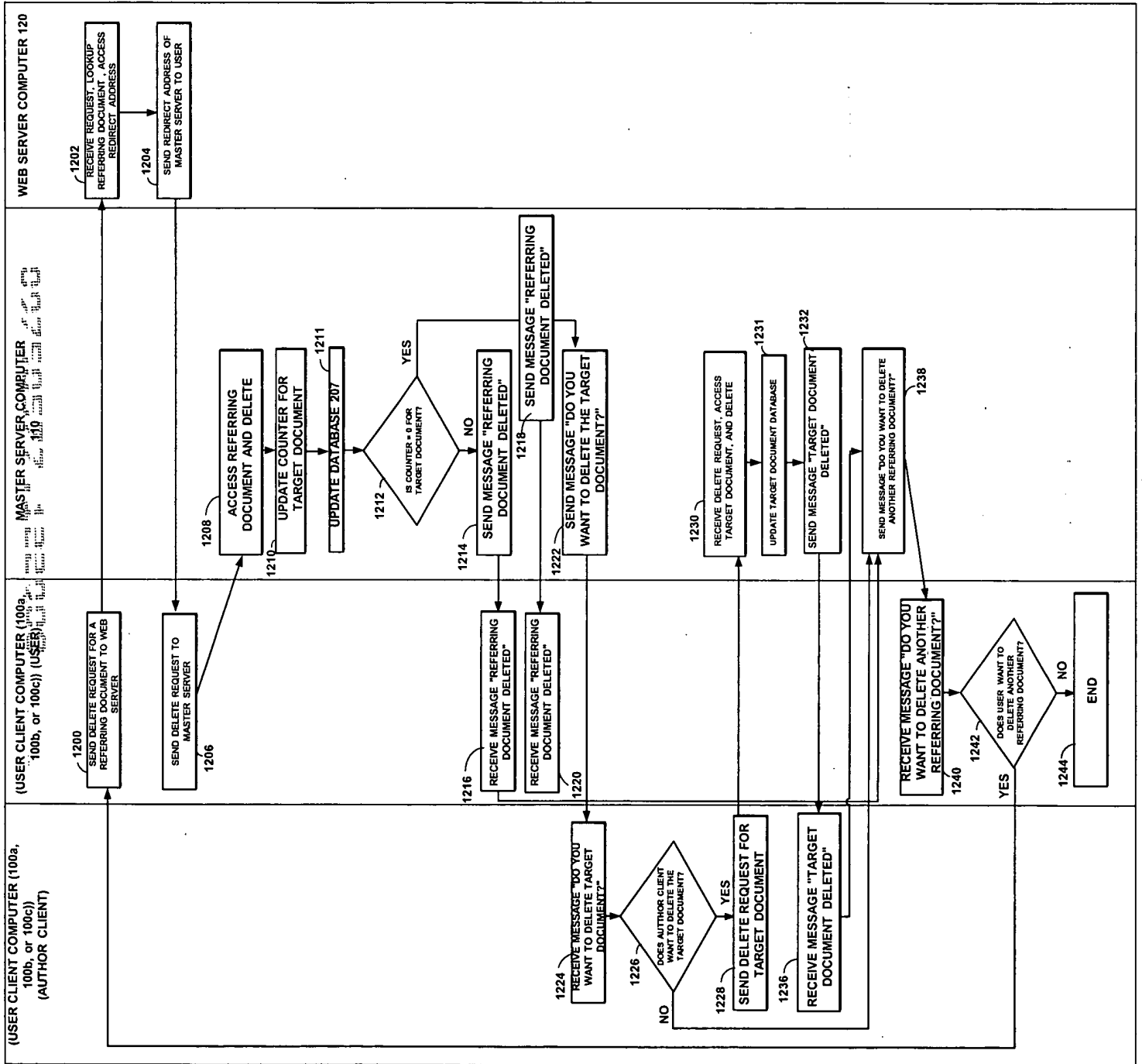


FIG. 7B(1)



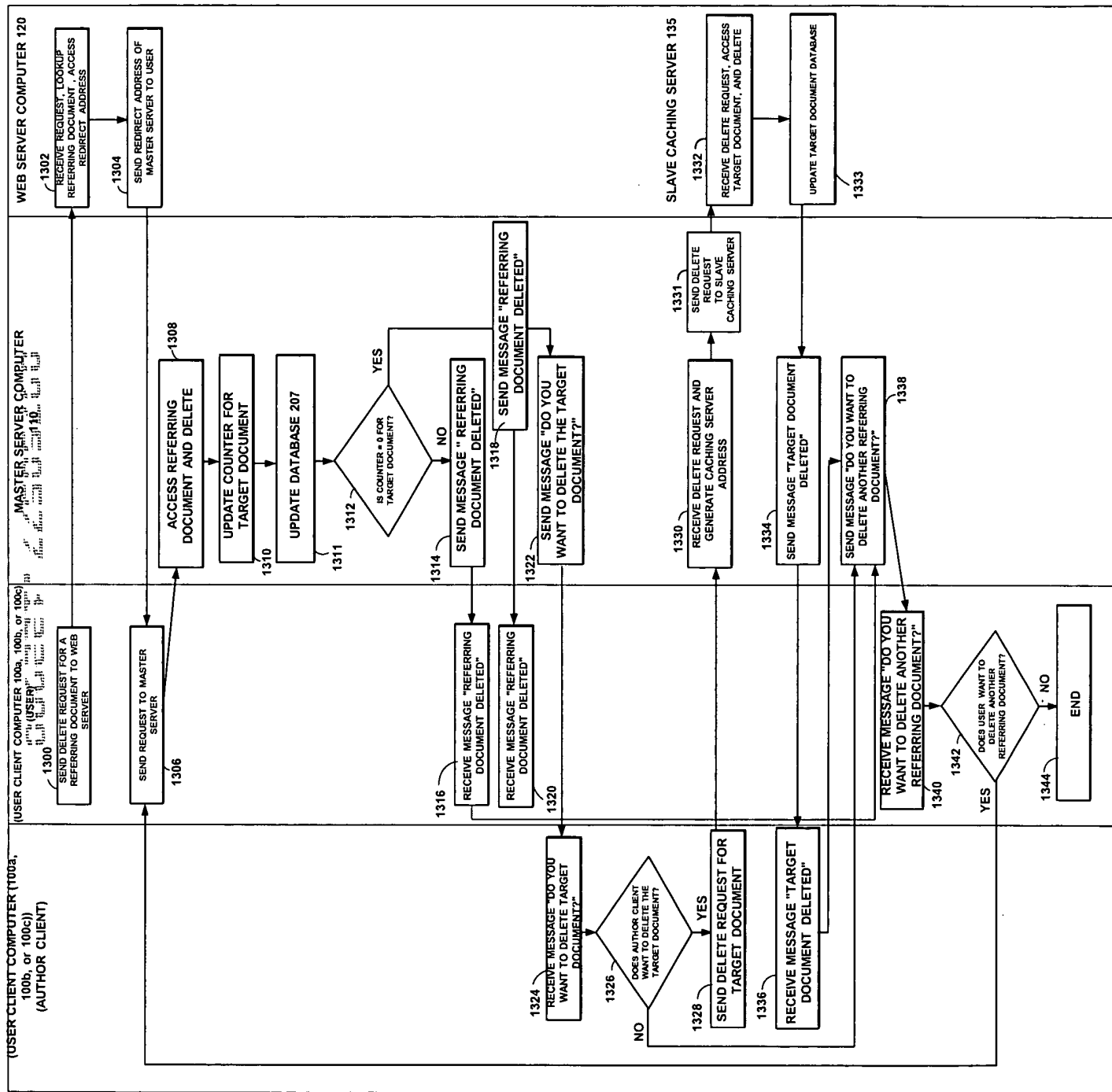
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ATTACHMENTS IN DOCUMENTS

FIG. 7C(1)



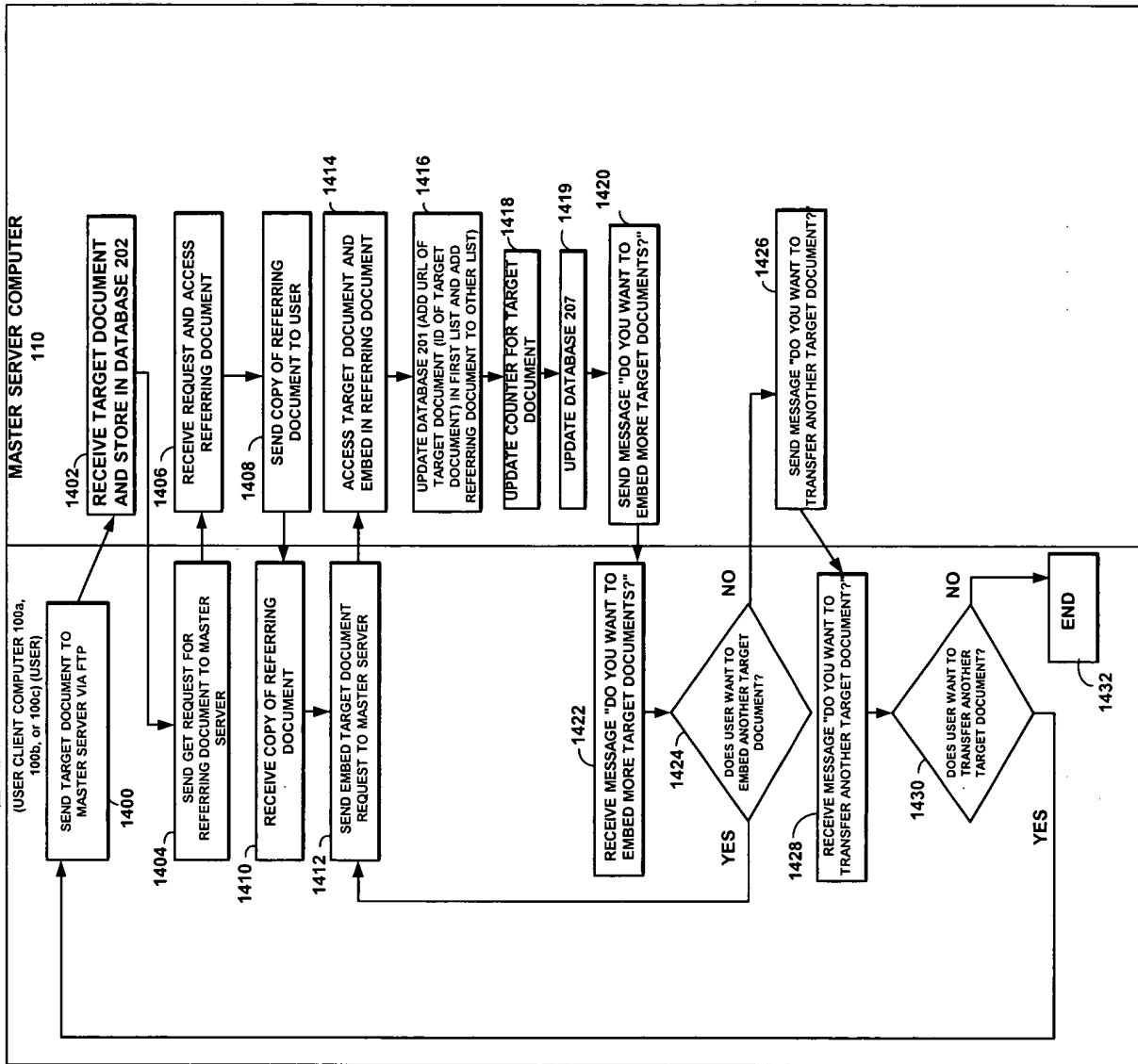
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ATTACHMENTS IN DOCUMENTS

FIG. 7D(1)



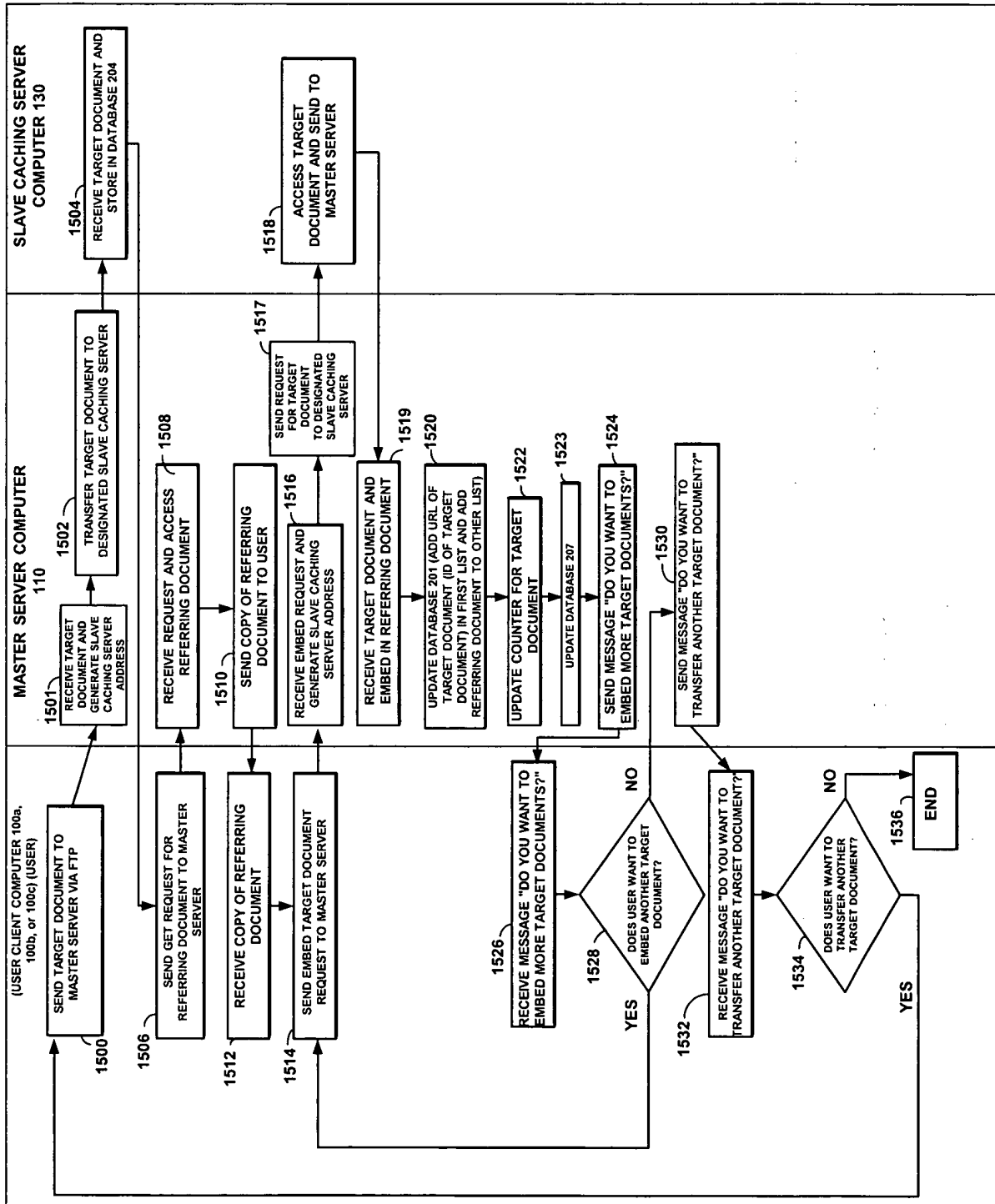
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FIG. 8A(1)



[illegible]

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ATTACHMENTS IN DOCUMENTS

FIG. 8C(1)

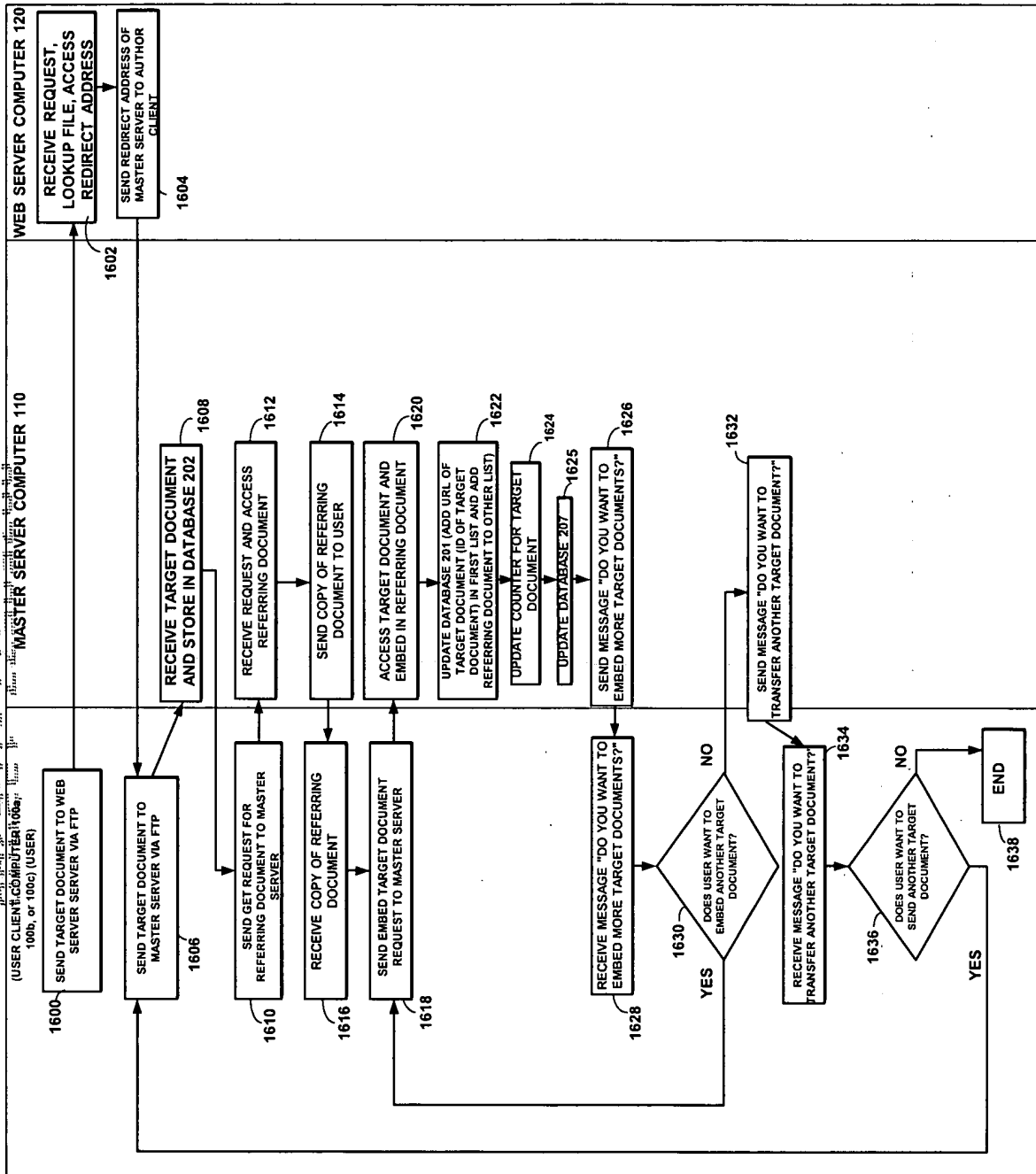
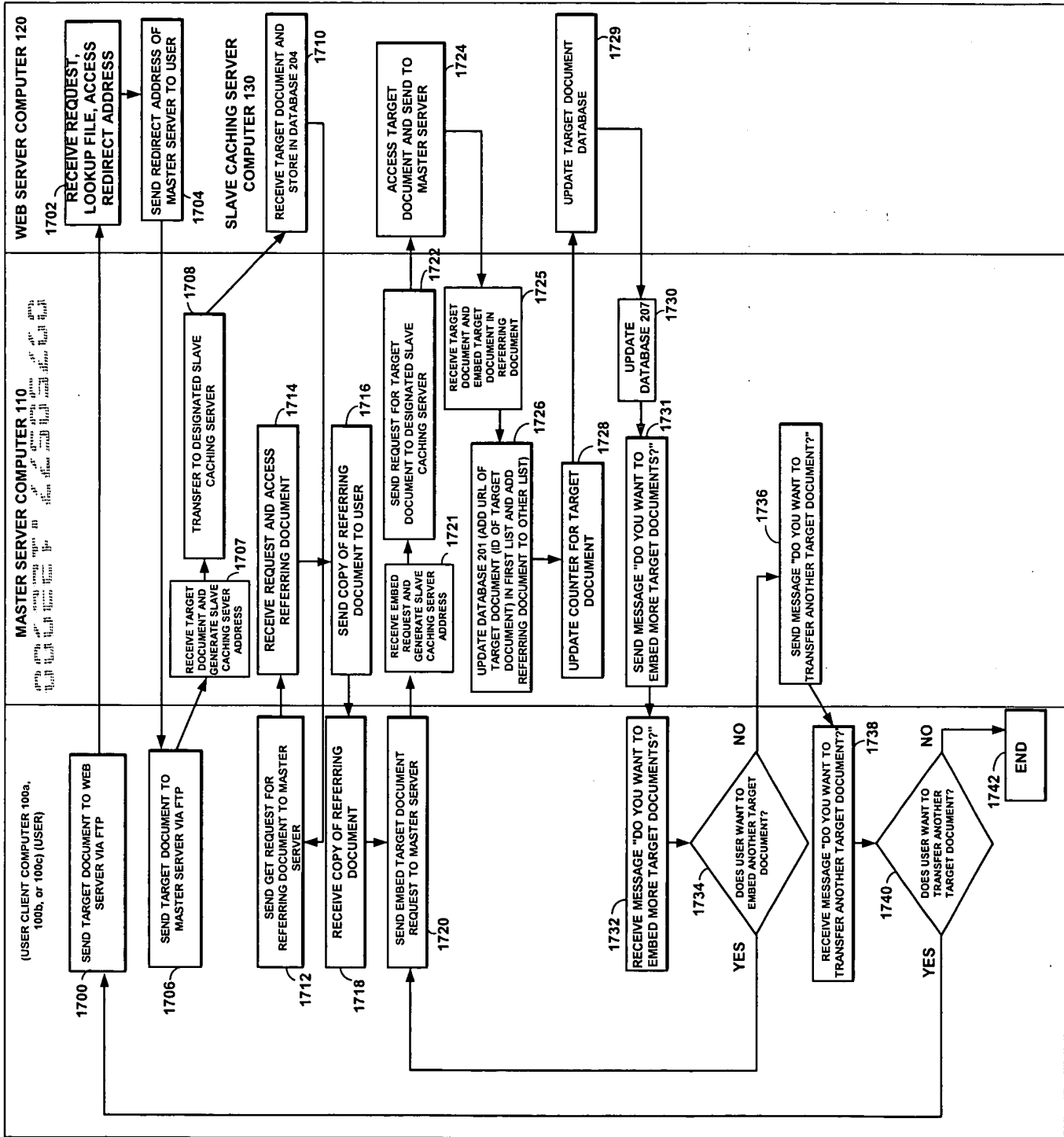


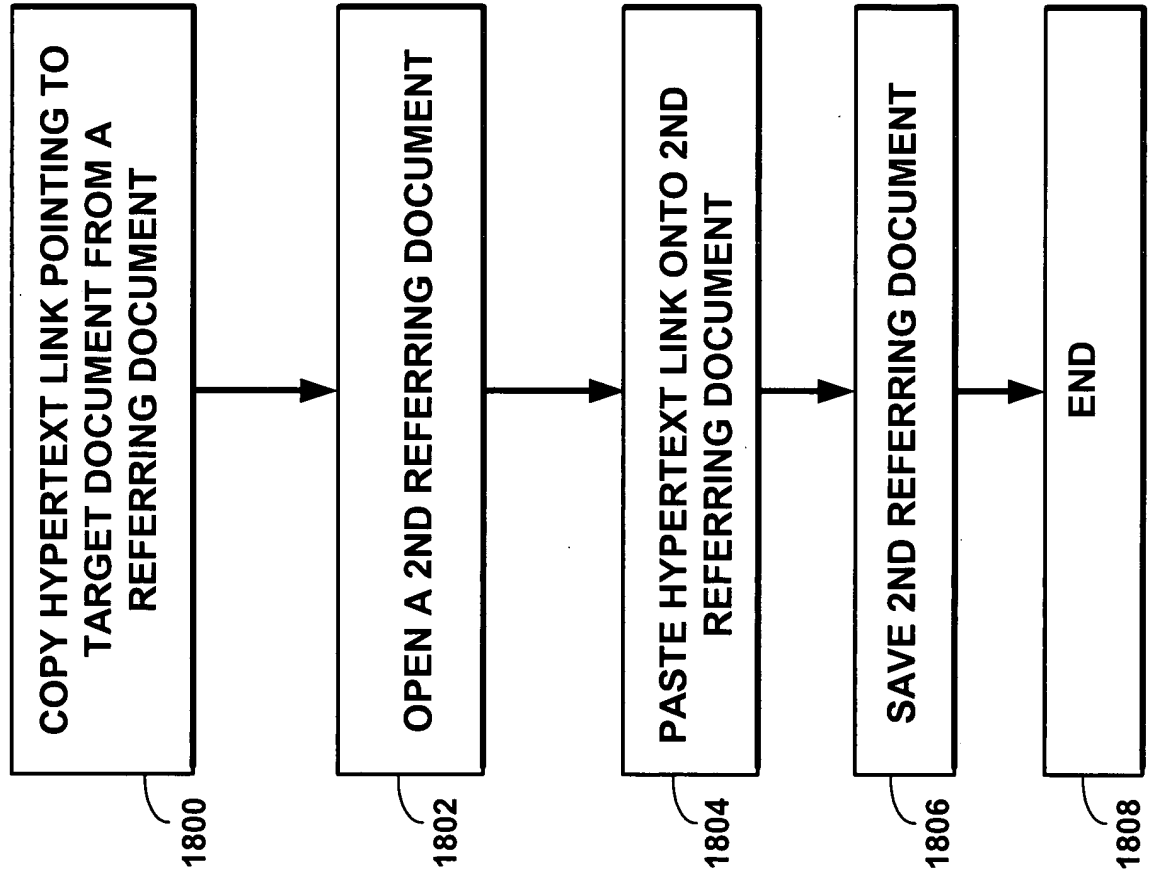
FIG. 8D(1)

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METHOD OF CREATING A HYPERTEXT LINK BETWEEN A TARGET DOCUMENT AND A REFERRING DOCUMENT

FIG. 9



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ATTACHMENTS IN DOCUMENTS

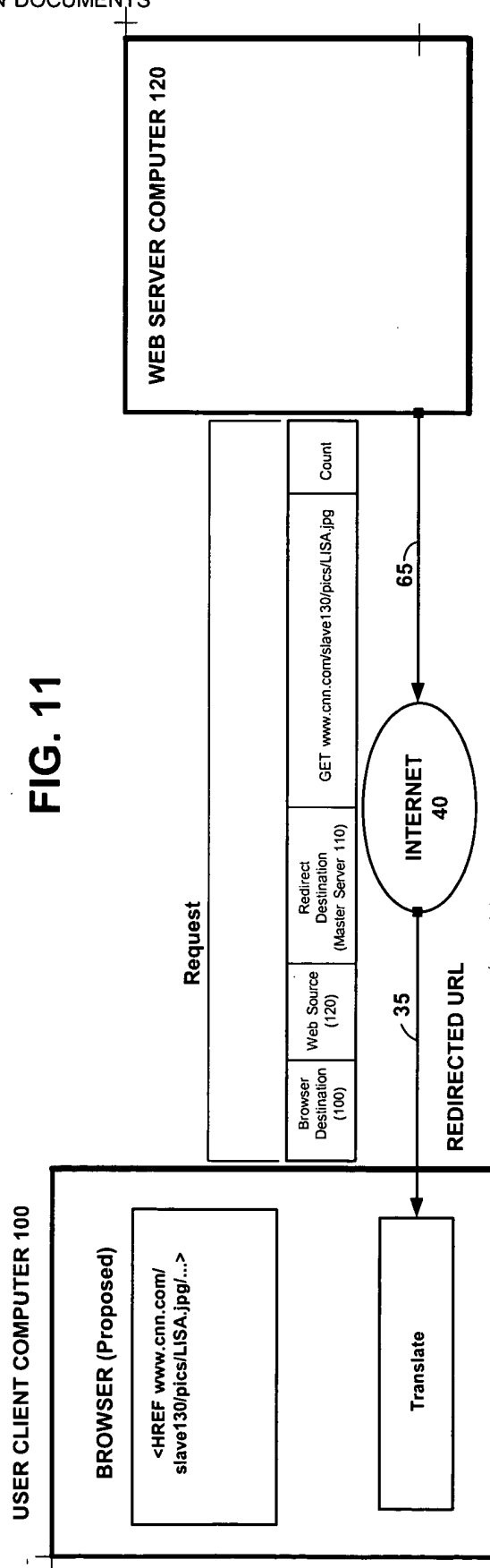
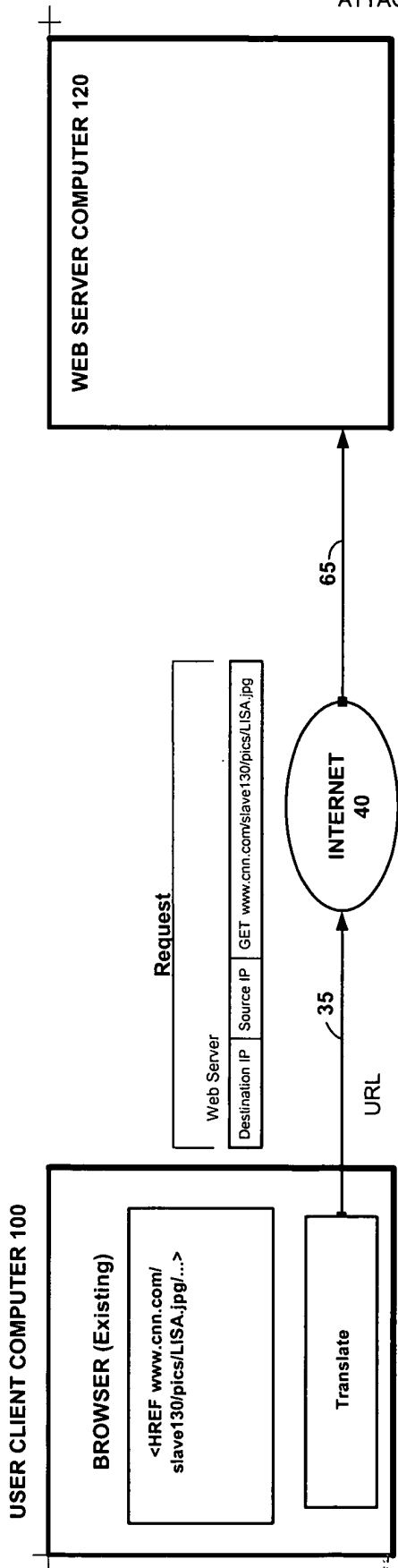


FIG. 12

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ATTACHMENTS IN DOCUMENTS

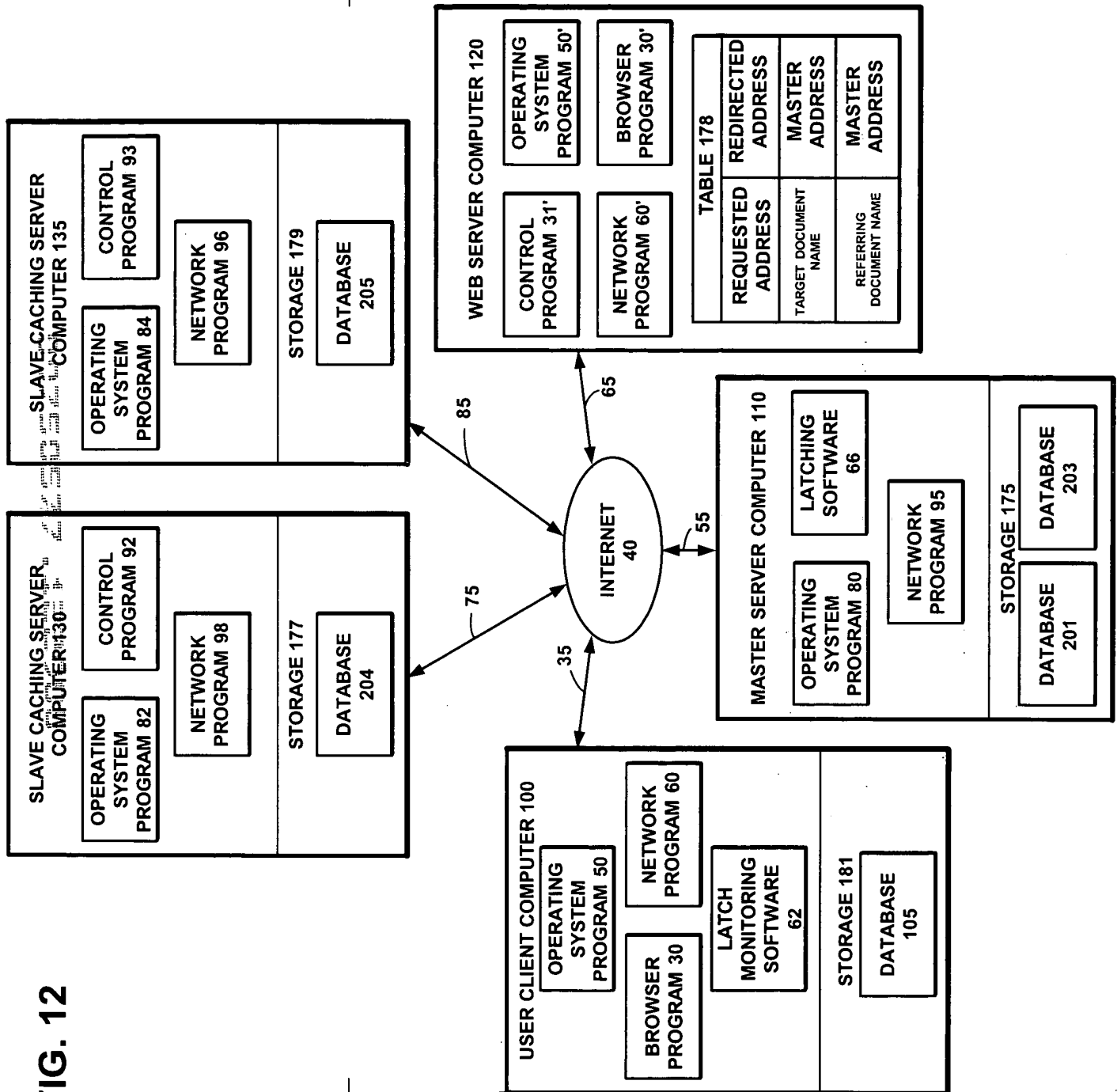
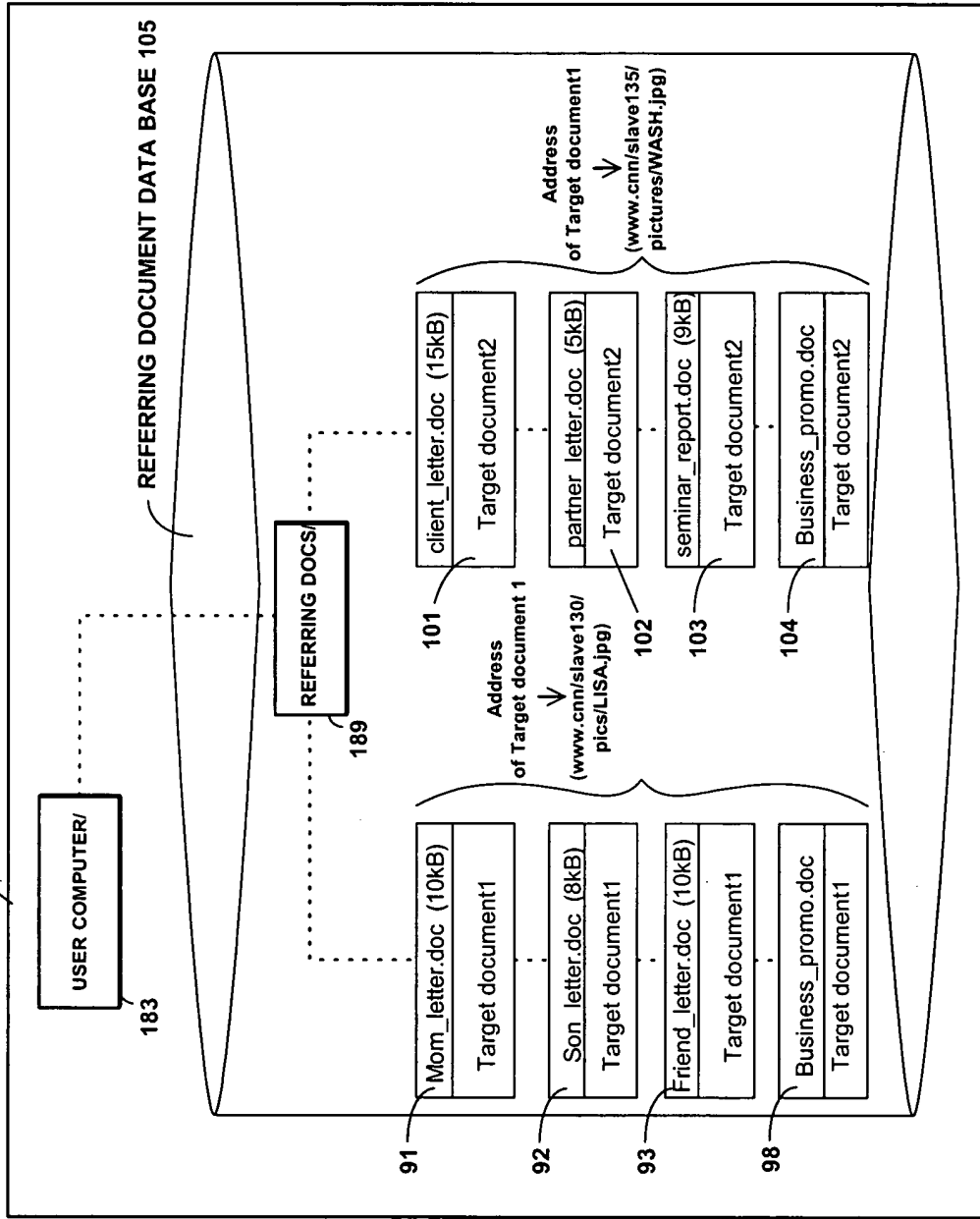


FIG. 13



US Patent and Trademark Office
Patent No. 6,811,000
Filed: 12/15/00
Inventor: [illegible]
Attorney: [illegible]

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DB203/

PERMISSIONS DATA BASE 203

DB201/

OWNER'S DATA BASE 201

URL OF TARGET DOCUMENT IN SLAVE CACHING SERVER COMPUTER (130 or 135) (ID OF TARGET DOCUMENT)	ACCESS CODE ASSOCIATED WITH TARGET DOCUMENT IN SLAVE CACHING SERVER COMPUTER (130 or 135)
www.cnn.com/slavet130/pics/ LISA.jpg	12345, 68142, 30156, 88121
www.cnn.com/slavet135/pictures/ WASH.jpg	12349, 08756, 28101, 37412

URL OF TARGET DOCUMENT IN SLAVE CACHING SERVER COMPUTER (130 or 135)	ALL REFERRING DOCUMENTS HAVING A HYPERTEXT LINK POINTING TO A URL OF A TARGET DOCUMENT (TARGET DOCUMENTS STORED IN SLAVE CACHING SERVER COMPUTER (130 or 135))
www.cnn.com/slavet130/pics/ LISA.jpg	jsmith@aol.nsf/Mom_letter.doc, psmith@aol.com/Son_letter.doc, jnewman@compuserve.com/Friend_ltr.doc, kjones@ibm.com/Business_promo.doc
www.cnn.com/slavet135/pictures/ WASH.jpg	jsnyder@aol.com/client_letter.doc, jsmith@isachsinc.com/partner_letter.doc, tjones@uspto.gov/seminar_report.doc, ylin@ibm.com/Business_promo.doc

USE TABLE 1	
LISA.jpg	COUNT = 4
KIM.jpg	COUNT = 0
KAREN.jpg	COUNT = 0
TRAVEL.jpg	COUNT = 0

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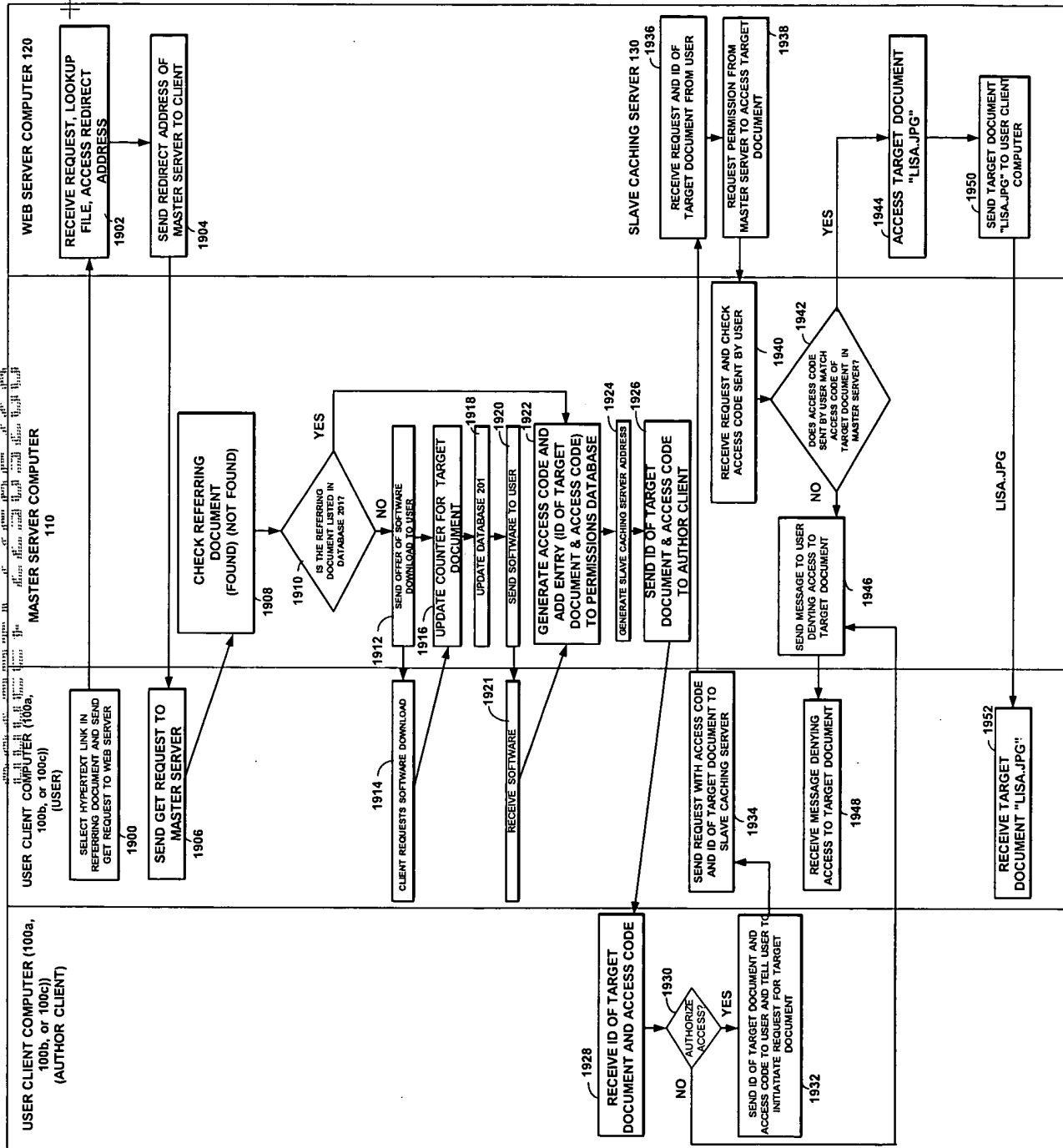
USE TABLE 2	
WASH.jpg	COUNT = 4
PARIS.jpg	COUNT = 0
LONDON.jpg	COUNT = 0
ROME.jpg	COUNT = 0

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FIG. 14

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FIG. 15



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ATTACHMENTS IN DOCUMENTS

FIG. 16

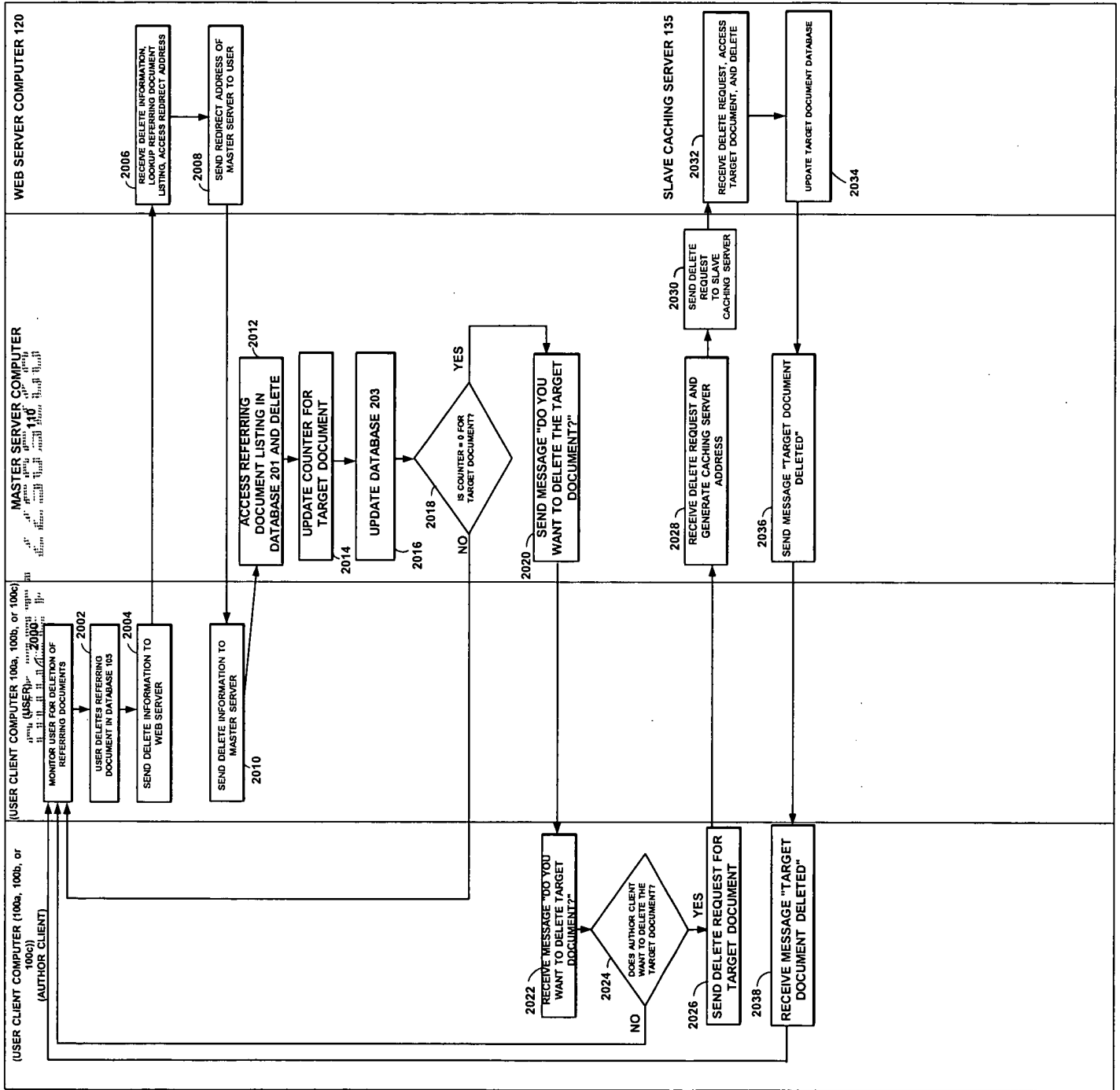


FIG. 17

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